

# **SECOND SEMIANNUAL 2010 GROUNDWATER MONITORING REPORT**

**DEFENSE FUEL SUPPORT POINT NORWALK  
15306 NORWALK BOULEVARD  
NORWALK, CALIFORNIA**

*Prepared for*

**Defense Energy Support Center  
8725 John J. Kingman Road  
Fort Belvoir, Virginia 22060-6222**

**January 31, 2011**

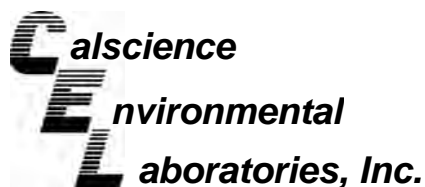
*Prepared by*



**100 WEST WALNUT STREET • PASADENA • CALIFORNIA 91124**

**APPENDIX D**

**Laboratory Analytical Reports and Chain-of-Custody Documents  
October 2010 Semiannual Event**



October 11, 2010

Mary Lucas  
Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Subject: **CalScience Work Order No.: 10-10-0194**  
**Client Reference: DFSP NORWALK GWM / 746442**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 10/4/2010 and analyzed in accordance with the attached chain-of-custody.

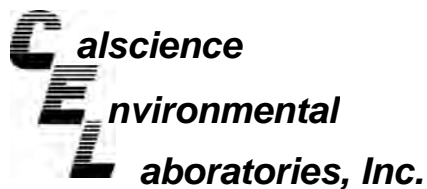
CalScience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analysis, if any, is provided herein, and follows the standard CalScience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink that reads "Ranjit K. F. Clarke".

CalScience Environmental  
Laboratories, Inc.  
Ranjit Clarke  
Project Manager



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/04/10  
Work Order No: 10-10-0194  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM / 746442

Page 1 of 3

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| EXP-3                | 10-10-0194-2-D    | 10/04/10<br>08:07   | Aqueous | GC 27      | 10/06/10      | 10/07/10<br>13:18  | 101006B16   |

| Parameter          | Result  | RL             | DF | Qual | Units |
|--------------------|---------|----------------|----|------|-------|
| TPH as JP5         | ND      | 100            | 1  |      | ug/L  |
| Surrogates:        | REC (%) | Control Limits |    | Qual |       |
| Decachlorobiphenyl | 114     | 68-140         |    |      |       |

|       |                |                   |         |       |          |                   |           |
|-------|----------------|-------------------|---------|-------|----------|-------------------|-----------|
| EXP-1 | 10-10-0194-3-D | 10/04/10<br>08:43 | Aqueous | GC 27 | 10/06/10 | 10/07/10<br>13:36 | 101006B16 |
|-------|----------------|-------------------|---------|-------|----------|-------------------|-----------|

| Parameter          | Result  | RL             | DF | Qual | Units |
|--------------------|---------|----------------|----|------|-------|
| TPH as JP5         | ND      | 100            | 1  |      | ug/L  |
| Surrogates:        | REC (%) | Control Limits |    | Qual |       |
| Decachlorobiphenyl | 117     | 68-140         |    |      |       |

|       |                |                   |         |       |          |                   |           |
|-------|----------------|-------------------|---------|-------|----------|-------------------|-----------|
| EXP-2 | 10-10-0194-4-D | 10/04/10<br>09:29 | Aqueous | GC 27 | 10/06/10 | 10/07/10<br>13:53 | 101006B16 |
|-------|----------------|-------------------|---------|-------|----------|-------------------|-----------|

| Parameter          | Result  | RL             | DF | Qual | Units |
|--------------------|---------|----------------|----|------|-------|
| TPH as JP5         | ND      | 100            | 1  |      | ug/L  |
| Surrogates:        | REC (%) | Control Limits |    | Qual |       |
| Decachlorobiphenyl | 121     | 68-140         |    |      |       |

|       |                |                   |         |       |          |                   |           |
|-------|----------------|-------------------|---------|-------|----------|-------------------|-----------|
| MW-24 | 10-10-0194-5-D | 10/04/10<br>10:05 | Aqueous | GC 27 | 10/06/10 | 10/07/10<br>14:12 | 101006B16 |
|-------|----------------|-------------------|---------|-------|----------|-------------------|-----------|

| Parameter          | Result  | RL             | DF | Qual | Units |
|--------------------|---------|----------------|----|------|-------|
| TPH as JP5         | ND      | 100            | 1  |      | ug/L  |
| Surrogates:        | REC (%) | Control Limits |    | Qual |       |
| Decachlorobiphenyl | 98      | 68-140         |    |      |       |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/04/10  
Work Order No: 10-10-0194  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM / 746442

Page 2 of 3

| Client Sample Number | Lab Sample Number     | Date/Time Collected       | Matrix         | Instrument   | Date Prepared   | Date/Time Analyzed        | QC Batch ID      |
|----------------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| <b>MW-14</b>         | <b>10-10-0194-6-D</b> | <b>10/04/10<br/>10:40</b> | <b>Aqueous</b> | <b>GC 27</b> | <b>10/06/10</b> | <b>10/07/10<br/>14:29</b> | <b>101006B16</b> |

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

| Parameter  | Result | RL  | DF | Qual | Units |
|------------|--------|-----|----|------|-------|
| TPH as JP5 | 100    | 100 | 1  |      | ug/L  |

| Surrogates:        | REC (%) | Control Limits | Qual |
|--------------------|---------|----------------|------|
| Decachlorobiphenyl | 114     | 68-140         |      |

| Client Sample Number | Lab Sample Number     | Date/Time Collected       | Matrix         | Instrument   | Date Prepared   | Date/Time Analyzed        | QC Batch ID      |
|----------------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| <b>MW-22 (Mid)</b>   | <b>10-10-0194-7-D</b> | <b>10/04/10<br/>11:15</b> | <b>Aqueous</b> | <b>GC 27</b> | <b>10/06/10</b> | <b>10/07/10<br/>14:47</b> | <b>101006B16</b> |

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

| Parameter  | Result | RL  | DF | Qual | Units |
|------------|--------|-----|----|------|-------|
| TPH as JP5 | 140    | 100 | 1  |      | ug/L  |

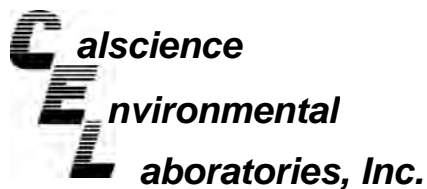
| Surrogates:        | REC (%) | Control Limits | Qual |
|--------------------|---------|----------------|------|
| Decachlorobiphenyl | 116     | 68-140         |      |

| Client Sample Number | Lab Sample Number     | Date/Time Collected       | Matrix         | Instrument   | Date Prepared   | Date/Time Analyzed        | QC Batch ID      |
|----------------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| <b>MW-25</b>         | <b>10-10-0194-8-D</b> | <b>10/04/10<br/>11:48</b> | <b>Aqueous</b> | <b>GC 27</b> | <b>10/06/10</b> | <b>10/07/10<br/>15:05</b> | <b>101006B16</b> |

| Parameter  | Result | RL  | DF | Qual | Units |
|------------|--------|-----|----|------|-------|
| TPH as JP5 | ND     | 100 | 1  |      | ug/L  |

| Surrogates:        | REC (%) | Control Limits | Qual |
|--------------------|---------|----------------|------|
| Decachlorobiphenyl | 108     | 68-140         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/04/10  
Work Order No: 10-10-0194  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM / 746442

Page 3 of 3

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| MW-26                | 10-10-0194-9-D    | 10/04/10<br>12:46   | Aqueous | GC 27      | 10/06/10      | 10/07/10<br>15:23  | 101006B16   |

| Parameter          | Result  | RL             | DF | Qual | Units |
|--------------------|---------|----------------|----|------|-------|
| TPH as JP5         | ND      | 100            | 1  |      | ug/L  |
| Surrogates:        | REC (%) | Control Limits |    | Qual |       |
| Decachlorobiphenyl | 105     | 68-140         |    |      |       |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| MW-27                | 10-10-0194-10-D   | 10/04/10<br>13:32   | Aqueous | GC 27      | 10/06/10      | 10/07/10<br>15:41  | 101006B16   |

| Parameter          | Result  | RL             | DF | Qual | Units |
|--------------------|---------|----------------|----|------|-------|
| TPH as JP5         | ND      | 100            | 1  |      | ug/L  |
| Surrogates:        | REC (%) | Control Limits |    | Qual |       |
| Decachlorobiphenyl | 109     | 68-140         |    |      |       |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| MW-23 (Mid)          | 10-10-0194-11-D   | 10/04/10<br>14:25   | Aqueous | GC 27      | 10/06/10      | 10/07/10<br>15:59  | 101006B16   |

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

| Parameter          | Result  | RL             | DF | Qual | Units |
|--------------------|---------|----------------|----|------|-------|
| TPH as JP5         | 1400    | 100            | 1  |      | ug/L  |
| Surrogates:        | REC (%) | Control Limits |    | Qual |       |
| Decachlorobiphenyl | 111     | 68-140         |    |      |       |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| Method Blank         | 099-12-366-68     | N/A                 | Aqueous | GC 27      | 10/06/10      | 10/07/10<br>12:24  | 101006B16   |

| Parameter          | Result  | RL             | DF | Qual | Units |
|--------------------|---------|----------------|----|------|-------|
| TPH as JP5         | ND      | 100            | 1  |      | ug/L  |
| Surrogates:        | REC (%) | Control Limits |    | Qual |       |
| Decachlorobiphenyl | 94      | 68-140         |    |      |       |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/04/10  
Work Order No: 10-10-0194  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 1 of 13

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| TB                   | 10-10-0194-1-B    | 10/04/10<br>08:00   | Aqueous | GC/MS S    | 10/08/10      | 10/08/10<br>20:10  | 101008L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 98      | 80-126         |      | 1,2-Dichloroethane-d4  | 102     | 80-131         |      |
| Toluene-d8           | 100     | 80-120         |      | 1,4-Bromofluorobenzene | 98      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/04/10  
Work Order No: 10-10-0194  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 2 of 13

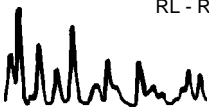
| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| EXP-3                | 10-10-0194-2-B    | 10/04/10<br>08:07   | Aqueous | GC/MS S    | 10/08/10      | 10/08/10<br>20:40  | 101008L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | 0.68   | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 96      | 80-126         |      | 1,2-Dichloroethane-d4  | 99      | 80-131         |      |
| Toluene-d8           | 100     | 80-120         |      | 1,4-Bromofluorobenzene | 99      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/04/10  
Work Order No: 10-10-0194  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 3 of 13

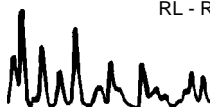
| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| EXP-1                | 10-10-0194-3-B    | 10/04/10<br>08:43   | Aqueous | GC/MS S    | 10/08/10      | 10/08/10<br>21:09  | 101008L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | 0.45   | 0.50 | 0.30 | 1  | J    |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 103     | 80-126         |      | 1,2-Dichloroethane-d4  | 98      | 80-131         |      |
| Toluene-d8           | 100     | 80-120         |      | 1,4-Bromofluorobenzene | 99      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/04/10  
Work Order No: 10-10-0194  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 4 of 13


| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| EXP-2                | 10-10-0194-4-B    | 10/04/10<br>09:29   | Aqueous | GC/MS S    | 10/08/10      | 10/09/10<br>02:35  | 101008L02   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 108     | 80-126         |      | 1,2-Dichloroethane-d4  | 104     | 80-131         |      |
| Toluene-d8           | 101     | 80-120         |      | 1,4-Bromofluorobenzene | 97      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/04/10  
Work Order No: 10-10-0194  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 5 of 13


| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| MW-24                | 10-10-0194-5-B    | 10/04/10<br>10:05   | Aqueous | GC/MS S    | 10/08/10      | 10/09/10<br>03:05  | 101008L02   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | 0.51   | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 102     | 80-126         |      | 1,2-Dichloroethane-d4  | 100     | 80-131         |      |
| Toluene-d8           | 98      | 80-120         |      | 1,4-Bromofluorobenzene | 95      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/04/10  
Work Order No: 10-10-0194  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 6 of 13

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| MW-14                | 10-10-0194-6-B    | 10/04/10<br>10:40   | Aqueous | GC/MS S    | 10/08/10      | 10/09/10<br>00:37  | 101008L02   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | 0.99   | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | 3.4    | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 103     | 80-126         |      | 1,2-Dichloroethane-d4  | 101     | 80-131         |      |
| Toluene-d8           | 99      | 80-120         |      | 1,4-Bromofluorobenzene | 98      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/04/10  
Work Order No: 10-10-0194  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 7 of 13

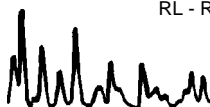
| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| MW-22 (Mid)          | 10-10-0194-7-B    | 10/04/10 11:15      | Aqueous | GC/MS S    | 10/08/10      | 10/09/10 03:34     | 101008L02   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | 10     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | 13     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | 1.7    | 2.0  | 0.31 | 1  | J    |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 104     | 80-126         |      | 1,2-Dichloroethane-d4  | 104     | 80-131         |      |
| Toluene-d8           | 99      | 80-120         |      | 1,4-Bromofluorobenzene | 96      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/04/10  
Work Order No: 10-10-0194  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 8 of 13


| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| MW-25                | 10-10-0194-8-B    | 10/04/10<br>11:48   | Aqueous | GC/MS S    | 10/08/10      | 10/09/10<br>04:04  | 101008L02   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | 2.0    | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | 0.35   | 0.50 | 0.30 | 1  | J    |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 104     | 80-126         |      | 1,2-Dichloroethane-d4  | 100     | 80-131         |      |
| Toluene-d8           | 97      | 80-120         |      | 1,4-Bromofluorobenzene | 96      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/04/10  
Work Order No: 10-10-0194  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 9 of 13

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| MW-26                | 10-10-0194-9-B    | 10/04/10<br>12:46   | Aqueous | GC/MS S    | 10/08/10      | 10/09/10<br>04:33  | 101008L02   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | 1.6    | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | 0.28   | 0.50 | 0.22 | 1  | J    |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | 1.1    | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | 0.25   | 1.0  | 0.20 | 1  | J    | n-Propylbenzene                       | 0.98   | 1.0  | 0.79 | 1  | J    |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | 0.68   | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 105     | 80-126         |      | 1,2-Dichloroethane-d4  | 100     | 80-131         |      |
| Toluene-d8           | 98      | 80-120         |      | 1,4-Bromofluorobenzene | 98      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/04/10  
Work Order No: 10-10-0194  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 10 of 13


| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| MW-27                | 10-10-0194-10-B   | 10/04/10<br>13:32   | Aqueous | GC/MS S    | 10/08/10      | 10/09/10<br>05:02  | 101008L02   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 106     | 80-126         |      | 1,2-Dichloroethane-d4  | 104     | 80-131         |      |
| Toluene-d8           | 99      | 80-120         |      | 1,4-Bromofluorobenzene | 98      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/04/10  
Work Order No: 10-10-0194  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 11 of 13


| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| MW-23 (Mid)          | 10-10-0194-11-B   | 10/04/10<br>14:25   | Aqueous | GC/MS S    | 10/08/10      | 10/09/10<br>05:31  | 101008L02   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | 0.26   | 1.0  | 0.23 | 1  | J    |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | 0.30   | 1.0  | 0.20 | 1  | J    | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | 0.73   | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 105     | 80-126         |      | 1,2-Dichloroethane-d4  | 101     | 80-131         |      |
| Toluene-d8           | 98      | 80-120         |      | 1,4-Bromofluorobenzene | 98      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/04/10  
Work Order No: 10-10-0194  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 12 of 13


| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| Method Blank         | 099-14-001-2,164  | N/A                 | Aqueous | GC/MS S    | 10/08/10      | 10/08/10<br>12:14  | 101008L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 99      | 80-126         |      | 1,2-Dichloroethane-d4  | 100     | 80-131         |      |
| Toluene-d8           | 100     | 80-120         |      | 1,4-Bromofluorobenzene | 98      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/04/10  
Work Order No: 10-10-0194  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 13 of 13


| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| Method Blank         | 099-14-001-2,175  | N/A                 | Aqueous | GC/MS S    | 10/08/10      | 10/09/10 00:08     | 101008L02   |

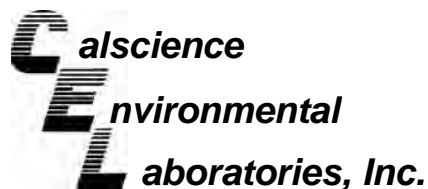
Comment(s): -Results were evaluated to the MDL, concentrations  $\geq$  to the MDL but  $<$  RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 101     | 80-126         |      | 1,2-Dichloroethane-d4  | 102     | 80-131         |      |
| Toluene-d8           | 100     | 80-120         |      | 1,4-Bromofluorobenzene | 97      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





## Quality Control - Spike/Spike Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

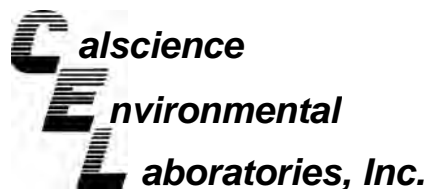
Date Received: 10/04/10  
Work Order No: 10-10-0194  
Preparation: EPA 5030C  
Method: EPA 8260B

Project DFSP NORWALK GWM / 746442

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| 10-10-0110-5              | Aqueous | GC/MS S    | 10/08/10      | 10/08/10      | 101008S01           |

| Parameter                     | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|---------|----------|---------|-----|--------|------------|
| Benzene                       | 102     | 100      | 80-120  | 2   | 0-20   |            |
| Carbon Tetrachloride          | 66      | 69       | 55-151  | 5   | 0-20   |            |
| Chlorobenzene                 | 107     | 105      | 80-120  | 2   | 0-20   |            |
| 1,2-Dibromoethane             | 110     | 113      | 77-125  | 2   | 0-20   |            |
| 1,2-Dichlorobenzene           | 109     | 106      | 78-120  | 3   | 0-20   |            |
| 1,2-Dichloroethane            | 113     | 108      | 80-120  | 5   | 0-20   |            |
| 1,1-Dichloroethene            | 112     | 109      | 69-129  | 2   | 0-20   |            |
| Ethylbenzene                  | 106     | 100      | 73-127  | 4   | 0-20   |            |
| Toluene                       | 103     | 98       | 80-120  | 4   | 0-20   |            |
| Trichloroethene               | 104     | 102      | 67-133  | 2   | 0-20   |            |
| Vinyl Chloride                | 105     | 95       | 67-133  | 10  | 0-20   |            |
| Methyl-t-Butyl Ether (MTBE)   | 111     | 106      | 65-131  | 3   | 0-22   |            |
| Tert-Butyl Alcohol (TBA)      | 133     | 109      | 62-134  | 8   | 0-20   |            |
| Diisopropyl Ether (DIPE)      | 100     | 90       | 64-136  | 5   | 0-29   |            |
| Ethyl-t-Butyl Ether (ETBE)    | 106     | 103      | 70-124  | 3   | 0-20   |            |
| Tert-Amyl-Methyl Ether (TAME) | 99      | 98       | 71-125  | 1   | 0-20   |            |
| Ethanol                       | 175     | 145      | 44-152  | 19  | 0-43   | 3          |

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - Spike/Spike Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

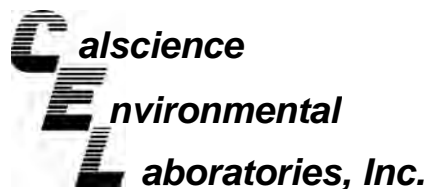
Date Received: 10/04/10  
Work Order No: 10-10-0194  
Preparation: EPA 5030C  
Method: EPA 8260B

Project DFSP NORWALK GWM / 746442

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| MW-14                     | Aqueous | GC/MS S    | 10/08/10      | 10/09/10      | 101008S02           |

| Parameter                     | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|---------|----------|---------|-----|--------|------------|
| Benzene                       | 95      | 100      | 80-120  | 5   | 0-20   |            |
| Carbon Tetrachloride          | 68      | 76       | 55-151  | 12  | 0-20   |            |
| Chlorobenzene                 | 94      | 101      | 80-120  | 7   | 0-20   |            |
| 1,2-Dibromoethane             | 95      | 102      | 77-125  | 7   | 0-20   |            |
| 1,2-Dichlorobenzene           | 96      | 104      | 78-120  | 8   | 0-20   |            |
| 1,2-Dichloroethane            | 100     | 106      | 80-120  | 6   | 0-20   |            |
| 1,1-Dichloroethene            | 101     | 111      | 69-129  | 10  | 0-20   |            |
| Ethylbenzene                  | 93      | 99       | 73-127  | 6   | 0-20   |            |
| Toluene                       | 94      | 98       | 80-120  | 4   | 0-20   |            |
| Trichloroethene               | 95      | 99       | 67-133  | 4   | 0-20   |            |
| Vinyl Chloride                | 100     | 98       | 67-133  | 1   | 0-20   |            |
| Methyl-t-Butyl Ether (MTBE)   | 87      | 105      | 65-131  | 17  | 0-22   |            |
| Tert-Butyl Alcohol (TBA)      | 92      | 100      | 62-134  | 7   | 0-20   |            |
| Diisopropyl Ether (DIPE)      | 97      | 105      | 64-136  | 8   | 0-29   |            |
| Ethyl-t-Butyl Ether (ETBE)    | 85      | 94       | 70-124  | 10  | 0-20   |            |
| Tert-Amyl-Methyl Ether (TAME) | 82      | 86       | 71-125  | 5   | 0-20   |            |
| Ethanol                       | 111     | 162      | 44-152  | 37  | 0-43   | 3          |

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - LCS/LCS Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

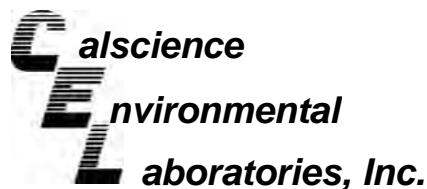
Date Received: N/A  
Work Order No: 10-10-0194  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM / 746442

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|-----------------------|
| 099-12-366-68             | Aqueous | GC 27      | 10/06/10      | 10/07/10      | 101006B16             |

| Parameter  | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|------------|----------|-----------|---------|-----|--------|------------|
| TPH as JP5 | 101      | 100       | 75-117  | 1   | 0-13   |            |

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - LCS/LCS Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: N/A  
Work Order No: 10-10-0194  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: DFSP NORWALK GWM / 746442

| Quality Control Sample ID     | Matrix   | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |        |            |
|-------------------------------|----------|------------|---------------|---------------|-----------------------|--------|------------|
| 099-14-001-2,164              | Aqueous  | GC/MS S    | 10/08/10      | 10/08/10      | 101008L01             |        |            |
| Parameter                     | LCS %REC | LCSD %REC  | %REC CL       | ME CL         | RPD                   | RPD CL | Qualifiers |
| Benzene                       | 96       | 94         | 80-120        | 73-127        | 2                     | 0-20   |            |
| Carbon Tetrachloride          | 64       | 64         | 67-139        | 55-151        | 0                     | 0-22   | ME         |
| Chlorobenzene                 | 100      | 96         | 80-120        | 73-127        | 5                     | 0-20   |            |
| 1,2-Dibromoethane             | 93       | 91         | 80-120        | 73-127        | 2                     | 0-20   |            |
| 1,2-Dichlorobenzene           | 101      | 98         | 79-120        | 72-127        | 3                     | 0-20   |            |
| 1,2-Dichloroethane            | 100      | 98         | 80-120        | 73-127        | 2                     | 0-20   |            |
| 1,1-Dichloroethene            | 103      | 99         | 71-125        | 62-134        | 3                     | 0-25   |            |
| Ethylbenzene                  | 101      | 95         | 80-123        | 73-130        | 5                     | 0-20   |            |
| Toluene                       | 97       | 94         | 80-120        | 73-127        | 3                     | 0-20   |            |
| Trichloroethene               | 98       | 95         | 80-120        | 73-127        | 4                     | 0-20   |            |
| Vinyl Chloride                | 102      | 97         | 68-140        | 56-152        | 5                     | 0-23   |            |
| Methyl-t-Butyl Ether (MTBE)   | 97       | 94         | 75-123        | 67-131        | 3                     | 0-25   |            |
| Tert-Butyl Alcohol (TBA)      | 87       | 94         | 72-126        | 63-135        | 8                     | 0-20   |            |
| Diisopropyl Ether (DIPE)      | 98       | 95         | 75-129        | 66-138        | 3                     | 0-22   |            |
| Ethyl-t-Butyl Ether (ETBE)    | 95       | 92         | 76-124        | 68-132        | 4                     | 0-20   |            |
| Tert-Amyl-Methyl Ether (TAME) | 86       | 85         | 79-121        | 72-128        | 2                     | 0-20   |            |
| Ethanol                       | 141      | 140        | 53-143        | 38-158        | 1                     | 0-25   |            |

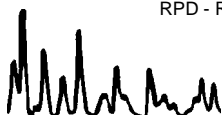
Total number of LCS compounds : 17

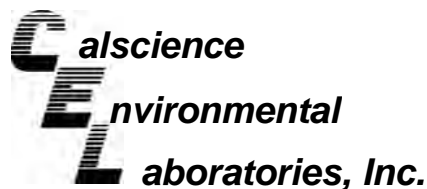
Total number of ME compounds : 1

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





## Quality Control - LCS/LCS Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: N/A  
Work Order No: 10-10-0194  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: DFSP NORWALK GWM / 746442

| Quality Control Sample ID     | Matrix   | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |        |            |
|-------------------------------|----------|------------|---------------|---------------|-----------------------|--------|------------|
| 099-14-001-2,175              | Aqueous  | GC/MS S    | 10/08/10      | 10/08/10      | 101008L02             |        |            |
| Parameter                     | LCS %REC | LCSD %REC  | %REC CL       | ME CL         | RPD                   | RPD CL | Qualifiers |
| Benzene                       | 96       | 94         | 80-120        | 73-127        | 2                     | 0-20   |            |
| Carbon Tetrachloride          | 72       | 70         | 67-139        | 55-151        | 2                     | 0-22   |            |
| Chlorobenzene                 | 97       | 95         | 80-120        | 73-127        | 2                     | 0-20   |            |
| 1,2-Dibromoethane             | 97       | 93         | 80-120        | 73-127        | 5                     | 0-20   |            |
| 1,2-Dichlorobenzene           | 97       | 95         | 79-120        | 72-127        | 3                     | 0-20   |            |
| 1,2-Dichloroethane            | 103      | 99         | 80-120        | 73-127        | 3                     | 0-20   |            |
| 1,1-Dichloroethene            | 104      | 102        | 71-125        | 62-134        | 2                     | 0-25   |            |
| Ethylbenzene                  | 96       | 94         | 80-123        | 73-130        | 2                     | 0-20   |            |
| Toluene                       | 96       | 93         | 80-120        | 73-127        | 3                     | 0-20   |            |
| Trichloroethene               | 98       | 93         | 80-120        | 73-127        | 5                     | 0-20   |            |
| Vinyl Chloride                | 102      | 100        | 68-140        | 56-152        | 2                     | 0-23   |            |
| Methyl-t-Butyl Ether (MTBE)   | 100      | 98         | 75-123        | 67-131        | 2                     | 0-25   |            |
| Tert-Butyl Alcohol (TBA)      | 94       | 92         | 72-126        | 63-135        | 2                     | 0-20   |            |
| Diisopropyl Ether (DIPE)      | 101      | 97         | 75-129        | 66-138        | 4                     | 0-22   |            |
| Ethyl-t-Butyl Ether (ETBE)    | 91       | 88         | 76-124        | 68-132        | 3                     | 0-20   |            |
| Tert-Amyl-Methyl Ether (TAME) | 85       | 82         | 79-121        | 72-128        | 4                     | 0-20   |            |
| Ethanol                       | 142      | 156        | 53-143        | 38-158        | 9                     | 0-25   | ME         |

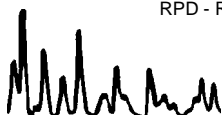
Total number of LCS compounds : 17

Total number of ME compounds : 1

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





## Glossary of Terms and Qualifiers



Work Order Number: 10-10-0194

| <u>Qualifier</u> | <u>Definition</u>  |
|------------------|--|
| *                | See applicable analysis comment.   |
| <                | Less than the indicated value.   |
| >                | Greater than the indicated value.  |
| 1                | Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.   |
| 2                | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.                             |
| 3                | Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.    |
| 4                | The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.  |
| 5                | The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification. |
| B                | Analyte was present in the associated method blank.  |
| E                | Concentration exceeds the calibration range.   |
| J                | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.  |
| ME               | LCS Recovery Percentage is within LCS ME Control Limit range.  |
| ND               | Parameter not detected at the indicated reporting limit.   |
| Q                | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.  |
| X                | % Recovery and/or RPD out-of-range.  |
| Z                | Analyte presence was not confirmed by second column or GC/MS analysis.<br><br>Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.   |





**Calscience Environmental Laboratories, Inc.**

SoCal Laboratory  
7440 Lincoln Way  
Garden Grove, CA 92841-1427  
(714) 895-5494

NorCal Service Center  
5063 Commercial Circle, Suite H  
Concord, CA 94520-8577  
(925) 689-9022

**CHAIN OF CUSTODY RECORD**

Date 10/4/10  
Page 1 of 2

|   |                                       |   |   |
|---|---------------------------------------|---|---|
| LABORATORY CLIENT: <u>PARSONS</u>   |                                       | CLIENT PROJECT NAME / NUMBER: <u>66746412 DFGP Normal</u> | P.O. NO.:   |
| ADDRESS: <u>100 W. WALNUT STREET</u>  |                                       | PROJECT CONTACT: <u>MARY LUCAS</u>                        | LAB USE ONLY<br><input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| CITY: <u>PASADENA</u>   | STATE: <u>CA</u>                      | ZIP: <u>91124</u>   | COOLER RECEIPT<br>TEMP= <u>      </u> °C  |
| TEL: <u>626 440-6032</u>  | E-MAIL: <u>MARY.LUCAS@PARSONS.COM</u> | SAMPLER(S) (PRINT): <u>MAT HANDEL</u>                     |   |
| TURNAROUND TIME: <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input checked="" type="checkbox"/> STANDARD |                                       |   |   |
| SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)   |                                       |   |   |
| <input type="checkbox"/> RWQCB REPORTING FORMS <input type="checkbox"/> COELT EDF <input type="checkbox"/>  |                                       |   |   |
| SPECIAL INSTRUCTIONS:   |                                       |   |   |

**REQUESTED ANALYSES**

| LAB USE ONLY | SAMPLE ID  | FIELD POINT NAME (FOR COELT EDF) | SAMPLING |      | MATRIX | NO. OF CONT. | TPH (g) | TPH (d) or (C6-C36) or (C6-C44) | TPH (AS PRS by 8015) | BTEX / MTBE (8260B) or ( ) | VOCs (8260B) EXCEPT: TBA | Oxygenates (8260B) | Encore Prep (5035) | SVOCs (8270C) | Pesticides (8081A) | PCBs (8082) | PNAs (8310) or (8270C) | T22 Metals (6010B/747X) | Cr(VI) [7196A or 7199 or 218.6] | VOCs (TO-14A) or (TO-15) | TPH (g) (TO-37) |  |
|--------------|------------|----------------------------------|----------|------|--------|--------------|---------|---------------------------------|----------------------|----------------------------|--------------------------|--------------------|--------------------|---------------|--------------------|-------------|------------------------|-------------------------|---------------------------------|--------------------------|-----------------|--|
|              |            |                                  | DATE     | TIME |        |              |         |                                 |                      |                            |                          |                    |                    |               |                    |             |                        |                         |                                 |                          |                 |  |
| 1            | TB         | -                                | 10/4/10  | 0800 | W      | 2            |         |                                 | X                    |                            |                          |                    |                    |               |                    |             |                        |                         |                                 |                          |                 |  |
| 2            | EXP-3      | -                                |          | 0807 | W      | 4            |         |                                 | X                    |                            |                          |                    |                    |               |                    |             |                        |                         |                                 |                          |                 |  |
| 3            | EXP-1      | -                                |          | 0843 | W      | 4            |         |                                 | X                    |                            |                          |                    |                    |               |                    |             |                        |                         |                                 |                          |                 |  |
| 4            | EXP-2      | -                                |          | 0929 | W      | 4            |         |                                 | X                    |                            |                          |                    |                    |               |                    |             |                        |                         |                                 |                          |                 |  |
| 5            | MW-24      | -                                |          | 1005 | W      | 4            |         |                                 | X                    |                            |                          |                    |                    |               |                    |             |                        |                         |                                 |                          |                 |  |
| 6            | MW-14      | -                                |          | 1040 | W      | 4            |         |                                 | X                    |                            |                          |                    |                    |               |                    |             |                        |                         |                                 |                          |                 |  |
| 7            | MW-22(MIN) | -                                |          | 1115 | W      | 4            |         |                                 | X                    |                            |                          |                    |                    |               |                    |             |                        |                         |                                 |                          |                 |  |
| 8            | MW-25      | -                                |          | 1148 | W      | 4            |         |                                 | X                    |                            |                          |                    |                    |               |                    |             |                        |                         |                                 |                          |                 |  |
| 9            | MW-26      | -                                |          | 1246 | W      | 4            |         |                                 | X                    |                            |                          |                    |                    |               |                    |             |                        |                         |                                 |                          |                 |  |
| 10           | MW-27      | -                                | 10/4/10  | 1332 | W      | 4            |         |                                 | X                    |                            |                          |                    |                    |               |                    |             |                        |                         |                                 |                          |                 |  |

Relinquished by (Signature): M. Handel      Received by: (Signature/Affiliation)      Date: 10/4/10      Time: 1545

Relinquished by\* (Signature): [Signature]      Received by: (Signature/Affiliation)      Date: 10/04/10      Time: 1557

Relinquished by (Signature): [Signature]      Received by: (Signature/Affiliation) Dannyle CEC      Date: 10/4/10      Time: 18:30

DISTRIBUTION: White with final report, Green and Yellow to Client.  
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

05/01/07 Revision



Calscience Environmental Laboratories, Inc.

SoCal Laboratory 7440 Lincoln Way Garden Grove, CA 92841-1427 (714) 895-5494

NorCal Service Center 5063 Commercial Circle, Suite H Concord, CA 94520-8577 (925) 689-9022

CHAIN OF CUSTODY RECORD

Date 10/4/10 Page 2 of 2

LABORATORY CLIENT: PARSONS ADDRESS: 100 W. WALNUT STREET CITY PASADENA CA 91121 TEL: 626-440-6032 E-MAIL: MARY.LUCAS@PARSONS.COM

CLIENT PROJECT NAME / NUMBER: F46442 DFSP Norwalk GUM PROJECT CONTACT: MARY LUCAS SAMPLER(S): (PRINT) MATH HOUSE

LAB USE ONLY LAB USE ONLY COOLER RECEIPT TEMP= COELT LOG CODE COELT ED F

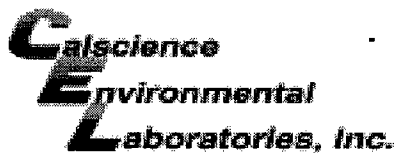
TURNAROUND TIME: SAME DAY 24 HR 48 HR 72 HR STANDARD SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) RWQCB REPORTING FORMS COELT ED F SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Table with columns: LAB USE ONLY, SAMPLE ID, FIELD POINT NAME, SAMPLING DATE, TIME, MATRIX, NO. OF CONT., and various chemical analytes like TPH (g), VOCs (TO-14A), etc.

Relinquished by: (Signature) Received by: (Signature/Affiliation) Date: 10/4/10 Time: 1545

DISTRIBUTION: White with final report, Green and Yellow to Client. Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.



WORK ORDER #: 10-10-0194

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: PARSONS

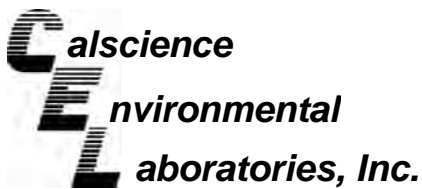
DATE: 10/04/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C - 6.0 °C, not frozen)
Temperature 2.2 °C + 0.5 °C (CF) = 2.7 °C [X] Blank [ ] Sample
[ ] Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_).
[ ] Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.
[ ] Received at ambient temperature, placed on ice for transport by Courier.
Ambient Temperature: [ ] Air [ ] Filter Initial: [Signature]

CUSTODY SEALS INTACT:
[ ] Cooler [ ] \_\_\_\_\_ [ ] No (Not Intact) [X] Not Present [ ] N/A Initial: [Signature]
[ ] Sample [ ] \_\_\_\_\_ [ ] No (Not Intact) [X] Not Present Initial: TN

SAMPLE CONDITION:
Chain-Of-Custody (COC) document(s) received with samples..... [X] Yes [ ] No [ ] N/A
COC document(s) received complete..... [X] Yes [ ] No [ ] N/A
[ ] Collection date/time, matrix, and/or # of containers logged in based on sample labels.
[ ] No analysis requested. [ ] Not relinquished. [ ] No date/time relinquished.
Sampler's name indicated on COC..... [X] Yes [ ] No [ ] N/A
Sample container label(s) consistent with COC..... [X] Yes [ ] No [ ] N/A
Sample container(s) intact and good condition..... [X] Yes [ ] No [ ] N/A
Proper containers and sufficient volume for analyses requested..... [X] Yes [ ] No [ ] N/A
Analyses received within holding time..... [X] Yes [ ] No [ ] N/A
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours..... [ ] Yes [ ] No [X] N/A
Proper preservation noted on COC or sample container..... [X] Yes [ ] No [ ] N/A
[ ] Unpreserved vials received for Volatiles analysis
Volatile analysis container(s) free of headspace..... [X] Yes [ ] No [ ] N/A
Tedlar bag(s) free of condensation..... [ ] Yes [ ] No [X] N/A

CONTAINER TYPE:
Solid: [ ] 4ozCGJ [ ] 8ozCGJ [ ] 16ozCGJ [ ] Sleeve (\_\_\_\_\_) [ ] EnCores® [ ] TerraCores® [ ] \_\_\_\_\_
Water: [ ] VOA [X] VOAh [ ] VOAna2 [ ] 125AGB [ ] 125AGBh [ ] 125AGBp [ ] 1AGB [ ] 1AGBna2 [ ] 1AGBs
[ ] 500AGB [X] 500AGJ [ ] 500AGJs [ ] 250AGB [ ] 250CGB [ ] 250CGBs [ ] 1PB [ ] 500PB [ ] 500PBna
[ ] 250PB [ ] 250PBn [ ] 125PB [ ] 125PBzanna [ ] 100PJ [ ] 100PJna2 [ ] \_\_\_\_\_ [ ] \_\_\_\_\_ [ ] \_\_\_\_\_
Air: [ ] Tedlar® [ ] Summa® Other: [ ] \_\_\_\_\_ Trip Blank Lot#: 100930A Labeled/Checked by: TN
Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: [Signature]
Preservative: h: HCL n: HNO3 na2: Na2S2O3 na: NaOH p: H3PO4 s: H2SO4 zanna: ZnAc2+NaOH f: Field-filtered Scanned by: [Signature]



October 13, 2010

Mary Lucas  
Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Subject: **CalScience Work Order No.: 10-10-0300**  
**Client Reference: DFSP NORWALK GWM / 746442**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 10/5/2010 and analyzed in accordance with the attached chain-of-custody.

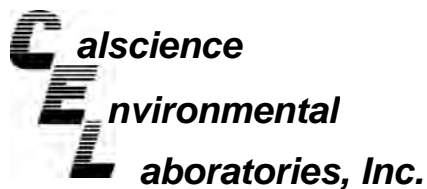
CalScience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analysis, if any, is provided herein, and follows the standard CalScience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink that reads "Ranjit K. Clarke".

CalScience Environmental  
Laboratories, Inc.  
Ranjit Clarke  
Project Manager



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/05/10  
Work Order No: 10-10-0300  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM / 746442

Page 1 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GMW-6                | 10-10-0300-2-D    | 10/05/10<br>07:54   | Aqueous | GC 27      | 10/07/10      | 10/09/10<br>11:44  | 101007B14   |

| Parameter          | Result  | RL             | DF | Qual | Units |
|--------------------|---------|----------------|----|------|-------|
| TPH as JP5         | 170     | 100            | 1  |      | ug/L  |
| Surrogates:        | REC (%) | Control Limits |    | Qual |       |
| Decachlorobiphenyl | 76      | 68-140         |    |      |       |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GMW-15               | 10-10-0300-3-D    | 10/05/10<br>08:39   | Aqueous | GC 27      | 10/07/10      | 10/09/10<br>12:01  | 101007B14   |

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

| Parameter          | Result  | RL             | DF | Qual | Units |
|--------------------|---------|----------------|----|------|-------|
| TPH as JP5         | 230     | 100            | 1  |      | ug/L  |
| Surrogates:        | REC (%) | Control Limits |    | Qual |       |
| Decachlorobiphenyl | 86      | 68-140         |    |      |       |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GMW-15 DUP           | 10-10-0300-4-D    | 10/05/10<br>00:00   | Aqueous | GC 27      | 10/07/10      | 10/09/10<br>12:19  | 101007B14   |

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

| Parameter          | Result  | RL             | DF | Qual | Units |
|--------------------|---------|----------------|----|------|-------|
| TPH as JP5         | 240     | 100            | 1  |      | ug/L  |
| Surrogates:        | REC (%) | Control Limits |    | Qual |       |
| Decachlorobiphenyl | 95      | 68-140         |    |      |       |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/05/10  
Work Order No: 10-10-0300  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM / 746442

Page 2 of 4

| Client Sample Number | Lab Sample Number     | Date/Time Collected       | Matrix         | Instrument   | Date Prepared   | Date/Time Analyzed        | QC Batch ID      |
|----------------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| <b>GM-6</b>          | <b>10-10-0300-5-D</b> | <b>10/05/10<br/>09:33</b> | <b>Aqueous</b> | <b>GC 27</b> | <b>10/07/10</b> | <b>10/09/10<br/>12:37</b> | <b>101007B14</b> |

| <u>Parameter</u>   | <u>Result</u>  | <u>RL</u>             | <u>DF</u> | <u>Qual</u> | <u>Units</u> |
|--------------------|----------------|-----------------------|-----------|-------------|--------------|
| TPH as JP5         | 110            | 100                   | 1         |             | ug/L         |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> |           | <u>Qual</u> |              |
| Decachlorobiphenyl | 98             | 68-140                |           |             |              |

|               |                       |                           |                |              |                 |                           |                  |
|---------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| <b>GMW-16</b> | <b>10-10-0300-6-D</b> | <b>10/05/10<br/>10:33</b> | <b>Aqueous</b> | <b>GC 27</b> | <b>10/07/10</b> | <b>10/09/10<br/>12:55</b> | <b>101007B14</b> |
|---------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

| <u>Parameter</u>   | <u>Result</u>  | <u>RL</u>             | <u>DF</u> | <u>Qual</u> | <u>Units</u> |
|--------------------|----------------|-----------------------|-----------|-------------|--------------|
| TPH as JP5         | 100            | 100                   | 1         |             | ug/L         |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> |           | <u>Qual</u> |              |
| Decachlorobiphenyl | 86             | 68-140                |           |             |              |

|               |                       |                           |                |              |                 |                           |                  |
|---------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| <b>GMW-17</b> | <b>10-10-0300-7-G</b> | <b>10/05/10<br/>11:09</b> | <b>Aqueous</b> | <b>GC 27</b> | <b>10/07/10</b> | <b>10/09/10<br/>13:13</b> | <b>101007B14</b> |
|---------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

| <u>Parameter</u>   | <u>Result</u>  | <u>RL</u>             | <u>DF</u> | <u>Qual</u> | <u>Units</u> |
|--------------------|----------------|-----------------------|-----------|-------------|--------------|
| TPH as JP5         | 2000           | 100                   | 1         |             | ug/L         |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> |           | <u>Qual</u> |              |
| Decachlorobiphenyl | 91             | 68-140                |           |             |              |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/05/10  
Work Order No: 10-10-0300  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM / 746442

Page 3 of 4

| Client Sample Number | Lab Sample Number     | Date/Time Collected       | Matrix         | Instrument   | Date Prepared   | Date/Time Analyzed        | QC Batch ID      |
|----------------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| <b>GMW-17DUP</b>     | <b>10-10-0300-8-D</b> | <b>10/05/10<br/>00:00</b> | <b>Aqueous</b> | <b>GC 27</b> | <b>10/07/10</b> | <b>10/09/10<br/>13:31</b> | <b>101007B14</b> |

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

| Parameter          | Result         | RL                    | DF | Qual        | Units |
|--------------------|----------------|-----------------------|----|-------------|-------|
| TPH as JP5         | 1600           | 100                   | 1  |             | ug/L  |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> |       |
| Decachlorobiphenyl | 85             | 68-140                |    |             |       |

| Client Sample Number | Lab Sample Number     | Date/Time Collected       | Matrix         | Instrument   | Date Prepared   | Date/Time Analyzed        | QC Batch ID      |
|----------------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| <b>GMW-62</b>        | <b>10-10-0300-9-G</b> | <b>10/05/10<br/>11:52</b> | <b>Aqueous</b> | <b>GC 27</b> | <b>10/07/10</b> | <b>10/09/10<br/>13:49</b> | <b>101007B14</b> |

Comment(s): -The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons are also present (or were detected).

| Parameter          | Result         | RL                    | DF | Qual        | Units |
|--------------------|----------------|-----------------------|----|-------------|-------|
| TPH as JP5         | 3400           | 100                   | 1  |             | ug/L  |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> |       |
| Decachlorobiphenyl | 103            | 68-140                |    |             |       |

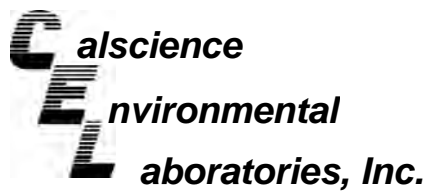
| Client Sample Number | Lab Sample Number      | Date/Time Collected       | Matrix         | Instrument   | Date Prepared   | Date/Time Analyzed        | QC Batch ID      |
|----------------------|------------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| <b>GMW-65</b>        | <b>10-10-0300-10-D</b> | <b>10/05/10<br/>12:38</b> | <b>Aqueous</b> | <b>GC 27</b> | <b>10/07/10</b> | <b>10/09/10<br/>14:07</b> | <b>101007B14</b> |

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

| Parameter          | Result         | RL                    | DF | Qual        | Units |
|--------------------|----------------|-----------------------|----|-------------|-------|
| TPH as JP5         | 100            | 100                   | 1  |             | ug/L  |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> |       |
| Decachlorobiphenyl | 85             | 68-140                |    |             |       |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/05/10  
Work Order No: 10-10-0300  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM / 746442

Page 4 of 4

| Client Sample Number | Lab Sample Number      | Date/Time Collected       | Matrix         | Instrument   | Date Prepared   | Date/Time Analyzed        | QC Batch ID      |
|----------------------|------------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| <b>GMW-64</b>        | <b>10-10-0300-11-D</b> | <b>10/05/10<br/>13:17</b> | <b>Aqueous</b> | <b>GC 27</b> | <b>10/07/10</b> | <b>10/09/10<br/>14:24</b> | <b>101007B14</b> |

| <u>Parameter</u>   | <u>Result</u>  | <u>RL</u>             | <u>DF</u> | <u>Qual</u> | <u>Units</u> |
|--------------------|----------------|-----------------------|-----------|-------------|--------------|
| TPH as JP5         | ND             | 100                   | 1         |             | ug/L         |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> |           | <u>Qual</u> |              |
| Decachlorobiphenyl | 90             | 68-140                |           |             |              |

|               |                        |                           |                |              |                 |                           |                  |
|---------------|------------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| <b>GMW-63</b> | <b>10-10-0300-12-D</b> | <b>10/05/10<br/>14:03</b> | <b>Aqueous</b> | <b>GC 27</b> | <b>10/07/10</b> | <b>10/09/10<br/>14:59</b> | <b>101007B14</b> |
|---------------|------------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|

| <u>Parameter</u>   | <u>Result</u>  | <u>RL</u>             | <u>DF</u> | <u>Qual</u> | <u>Units</u> |
|--------------------|----------------|-----------------------|-----------|-------------|--------------|
| TPH as JP5         | ND             | 100                   | 1         |             | ug/L         |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> |           | <u>Qual</u> |              |
| Decachlorobiphenyl | 90             | 68-140                |           |             |              |

|                     |                      |            |                |              |                 |                           |                  |
|---------------------|----------------------|------------|----------------|--------------|-----------------|---------------------------|------------------|
| <b>Method Blank</b> | <b>099-12-366-69</b> | <b>N/A</b> | <b>Aqueous</b> | <b>GC 27</b> | <b>10/07/10</b> | <b>10/09/10<br/>10:50</b> | <b>101007B14</b> |
|---------------------|----------------------|------------|----------------|--------------|-----------------|---------------------------|------------------|

| <u>Parameter</u>   | <u>Result</u>  | <u>RL</u>             | <u>DF</u> | <u>Qual</u> | <u>Units</u> |
|--------------------|----------------|-----------------------|-----------|-------------|--------------|
| TPH as JP5         | ND             | 100                   | 1         |             | ug/L         |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> |           | <u>Qual</u> |              |
| Decachlorobiphenyl | 88             | 68-140                |           |             |              |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/05/10  
Work Order No: 10-10-0300  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM / 746442

Page 1 of 1

| Client Sample Number | Lab Sample Number     | Date/Time Collected       | Matrix         | Instrument  | Date Prepared   | Date/Time Analyzed        | QC Batch ID      |
|----------------------|-----------------------|---------------------------|----------------|-------------|-----------------|---------------------------|------------------|
| <b>GMW-17</b>        | <b>10-10-0300-7-D</b> | <b>10/05/10<br/>11:09</b> | <b>Aqueous</b> | <b>GC 5</b> | <b>10/07/10</b> | <b>10/07/10<br/>19:10</b> | <b>101007B01</b> |

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

| Parameter              | Result         | RL                    | DF | Qual        | Units |
|------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline        | 1200           | 100                   | 1  |             | ug/L  |
| <u>Surrogates:</u>     | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> |       |
| 1,4-Bromofluorobenzene | 94             | 38-134                |    |             |       |

| Client Sample Number | Lab Sample Number     | Date/Time Collected       | Matrix         | Instrument  | Date Prepared   | Date/Time Analyzed        | QC Batch ID      |
|----------------------|-----------------------|---------------------------|----------------|-------------|-----------------|---------------------------|------------------|
| <b>GMW-62</b>        | <b>10-10-0300-9-D</b> | <b>10/05/10<br/>11:52</b> | <b>Aqueous</b> | <b>GC 5</b> | <b>10/07/10</b> | <b>10/07/10<br/>19:43</b> | <b>101007B01</b> |

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

| Parameter              | Result         | RL                    | DF | Qual        | Units |
|------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline        | 6700           | 1000                  | 10 |             | ug/L  |
| <u>Surrogates:</u>     | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> |       |
| 1,4-Bromofluorobenzene | 85             | 38-134                |    |             |       |

| Client Sample Number | Lab Sample Number       | Date/Time Collected | Matrix         | Instrument  | Date Prepared   | Date/Time Analyzed        | QC Batch ID      |
|----------------------|-------------------------|---------------------|----------------|-------------|-----------------|---------------------------|------------------|
| <b>Method Blank</b>  | <b>099-12-247-4,543</b> | <b>N/A</b>          | <b>Aqueous</b> | <b>GC 5</b> | <b>10/07/10</b> | <b>10/07/10<br/>14:39</b> | <b>101007B01</b> |

| Parameter              | Result         | RL                    | DF | Qual        | Units |
|------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline        | ND             | 100                   | 1  |             | ug/L  |
| <u>Surrogates:</u>     | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> |       |
| 1,4-Bromofluorobenzene | 83             | 38-134                |    |             |       |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/05/10  
Work Order No: 10-10-0300  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 1 of 15

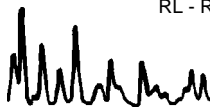
| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| TB-2                 | 10-10-0300-1-B    | 10/05/10<br>08:00   | Aqueous | GC/MS PP   | 10/09/10      | 10/09/10<br>14:04  | 101009L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 107     | 80-126         |      | 1,2-Dichloroethane-d4  | 106     | 80-131         |      |
| Toluene-d8           | 101     | 80-120         |      | 1,4-Bromofluorobenzene | 98      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/05/10  
Work Order No: 10-10-0300  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 2 of 15

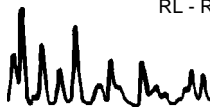
| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GMW-6                | 10-10-0300-2-B    | 10/05/10<br>07:54   | Aqueous | GC/MS PP   | 10/09/10      | 10/09/10<br>14:31  | 101009L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | 0.35   | 0.50 | 0.28 | 1  | J    | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | 3.1    | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | 130    | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | 210    | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | 0.38   | 2.0  | 0.31 | 1  | J    |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 103     | 80-126         |      | 1,2-Dichloroethane-d4  | 102     | 80-131         |      |
| Toluene-d8           | 101     | 80-120         |      | 1,4-Bromofluorobenzene | 102     | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/05/10  
Work Order No: 10-10-0300  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 3 of 15


| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GMW-15               | 10-10-0300-3-B    | 10/05/10<br>08:39   | Aqueous | GC/MS PP   | 10/09/10      | 10/09/10<br>12:17  | 101009L01   |

Comment(s): -Results were evaluated to the MDL, concentrations  $\geq$  to the MDL but  $<$  RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 103     | 80-126         |      | 1,2-Dichloroethane-d4  | 100     | 80-131         |      |
| Toluene-d8           | 100     | 80-120         |      | 1,4-Bromofluorobenzene | 98      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/05/10  
Work Order No: 10-10-0300  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 4 of 15

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GMW-15 DUP           | 10-10-0300-4-B    | 10/05/10 00:00      | Aqueous | GC/MS PP   | 10/09/10      | 10/09/10 14:58     | 101009L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 102     | 80-126         |      | 1,2-Dichloroethane-d4  | 102     | 80-131         |      |
| Toluene-d8           | 100     | 80-120         |      | 1,4-Bromofluorobenzene | 98      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/05/10  
Work Order No: 10-10-0300  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 5 of 15

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GM-6                 | 10-10-0300-5-B    | 10/05/10<br>09:53   | Aqueous | GC/MS PP   | 10/09/10      | 10/09/10<br>15:25  | 101009L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | 1.1    | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | 4.7    | 10   | 3.5  | 1  | J    |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 106     | 80-126         |      | 1,2-Dichloroethane-d4  | 106     | 80-131         |      |
| Toluene-d8           | 102     | 80-120         |      | 1,4-Bromofluorobenzene | 98      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/05/10  
Work Order No: 10-10-0300  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 6 of 15

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GMW-16               | 10-10-0300-6-B    | 10/05/10<br>10:33   | Aqueous | GC/MS PP   | 10/09/10      | 10/09/10<br>15:52  | 101009L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 106     | 80-126         |      | 1,2-Dichloroethane-d4  | 106     | 80-131         |      |
| Toluene-d8           | 101     | 80-120         |      | 1,4-Bromofluorobenzene | 96      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/05/10  
Work Order No: 10-10-0300  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 7 of 15


| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GMW-17               | 10-10-0300-7-B    | 10/05/10<br>11:09   | Aqueous | GC/MS PP   | 10/09/10      | 10/09/10<br>16:19  | 101009L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | 79     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | 5.1    | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | 6.1    | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | 16     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | 0.64   | 1.0  | 0.20 | 1  | J    | n-Propylbenzene                       | 4.7    | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | 0.37   | 1.0  | 0.28 | 1  | J    | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | 1.5    | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | 0.34   | 1.0  | 0.24 | 1  | J    |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | 3.1    | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | 0.44   | 0.50 | 0.24 | 1  | J    |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | 5.2    | 10   | 3.5  | 1  | J    |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 101     | 80-126         |      | 1,2-Dichloroethane-d4  | 101     | 80-131         |      |
| Toluene-d8           | 102     | 80-120         |      | 1,4-Bromofluorobenzene | 101     | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/05/10  
Work Order No: 10-10-0300  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 8 of 15


| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GMW-17DUP            | 10-10-0300-8-B    | 10/05/10 00:00      | Aqueous | GC/MS PP   | 10/09/10      | 10/09/10 16:46     | 101009L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | 80     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | 5.0    | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | 6.0    | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | 15     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | 0.62   | 1.0  | 0.20 | 1  | J    | n-Propylbenzene                       | 4.7    | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | 0.34   | 1.0  | 0.28 | 1  | J    | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | 1.6    | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | 0.34   | 1.0  | 0.24 | 1  | J    |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | 3.2    | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | 0.45   | 0.50 | 0.24 | 1  | J    |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | 4.7    | 10   | 3.5  | 1  | J    |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 100     | 80-126         |      | 1,2-Dichloroethane-d4  | 102     | 80-131         |      |
| Toluene-d8           | 101     | 80-120         |      | 1,4-Bromofluorobenzene | 100     | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/05/10  
Work Order No: 10-10-0300  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 9 of 15

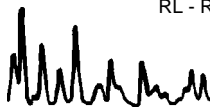
| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GMW-62               | 10-10-0300-9-C    | 10/05/10<br>11:52   | Aqueous | GC/MS JJ   | 10/11/10      | 10/12/10<br>09:47  | 101011L02   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | 1200   | 5.0  | 2.8  | 10 |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | 110    | 5.0  | 2.2  | 10 |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | 85     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | 7.4    | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | 5.2    | 1.0  | 0.28 | 1  |      | Naphthalene                           | 22     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | 11     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | 40     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | 1.3    | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | 11     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | 0.61   | 1.0  | 0.51 | 1  | J    |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | 10     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | 0.46   | 1.0  | 0.30 | 1  | J    |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | 180    | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | 31     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | 1.1    | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | 230    | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | 130    | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 104     | 80-126         |      | 1,2-Dichloroethane-d4  | 108     | 80-131         |      |
| Toluene-d8           | 112     | 80-120         |      | 1,4-Bromofluorobenzene | 108     | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/05/10  
Work Order No: 10-10-0300  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 10 of 15

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GMW-65               | 10-10-0300-10-B   | 10/05/10<br>12:38   | Aqueous | GC/MS PP   | 10/09/10      | 10/09/10<br>17:40  | 101009L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | 0.32   | 0.50 | 0.28 | 1  | J    | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | 0.38   | 0.50 | 0.22 | 1  | J    |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | 2.2    | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | 0.75   | 1.0  | 0.23 | 1  | J    |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | 1.0    | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | 0.69   | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 105     | 80-126         |      | 1,2-Dichloroethane-d4  | 105     | 80-131         |      |
| Toluene-d8           | 101     | 80-120         |      | 1,4-Bromofluorobenzene | 99      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/05/10  
Work Order No: 10-10-0300  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 11 of 15

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GMW-64               | 10-10-0300-11-B   | 10/05/10<br>13:17   | Aqueous | GC/MS PP   | 10/09/10      | 10/09/10<br>18:07  | 101009L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 106     | 80-126         |      | 1,2-Dichloroethane-d4  | 105     | 80-131         |      |
| Toluene-d8           | 102     | 80-120         |      | 1,4-Bromofluorobenzene | 98      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/05/10  
Work Order No: 10-10-0300  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 12 of 15


| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GMW-63               | 10-10-0300-12-B   | 10/05/10<br>14:03   | Aqueous | GC/MS PP   | 10/09/10      | 10/09/10<br>18:34  | 101009L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 107     | 80-126         |      | 1,2-Dichloroethane-d4  | 107     | 80-131         |      |
| Toluene-d8           | 101     | 80-120         |      | 1,4-Bromofluorobenzene | 98      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/05/10  
Work Order No: 10-10-0300  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 13 of 15

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| Method Blank         | 099-14-001-2,182  | N/A                 | Aqueous | GC/MS PP   | 10/09/10      | 10/09/10 11:50     | 101009L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 102     | 80-126         |      | 1,2-Dichloroethane-d4  | 101     | 80-131         |      |
| Toluene-d8           | 101     | 80-120         |      | 1,4-Bromofluorobenzene | 99      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/05/10  
Work Order No: 10-10-0300  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 14 of 15

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| Method Blank         | 099-14-001-2,190  | N/A                 | Aqueous | GC/MS PP   | 10/10/10      | 10/10/10 11:43     | 101010L01   |

Comment(s): -Results were evaluated to the MDL, concentrations  $\geq$  to the MDL but  $<$  RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 106     | 80-126         |      | 1,2-Dichloroethane-d4  | 110     | 80-131         |      |
| Toluene-d8           | 100     | 80-120         |      | 1,4-Bromofluorobenzene | 99      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/05/10  
Work Order No: 10-10-0300  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 15 of 15

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| Method Blank         | 099-14-001-2,216  | N/A                 | Aqueous | GC/MS JJ   | 10/11/10      | 10/12/10 02:07     | 101011L02   |

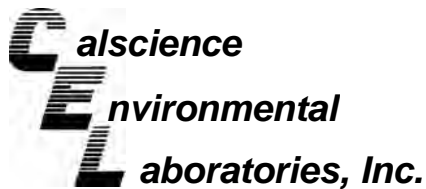
Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | 0.22   | 1.0  | 0.21 | 1  | J    | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 109     | 80-126         |      | 1,2-Dichloroethane-d4  | 110     | 80-131         |      |
| Toluene-d8           | 101     | 80-120         |      | 1,4-Bromofluorobenzene | 96      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





## Quality Control - Spike/Spike Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

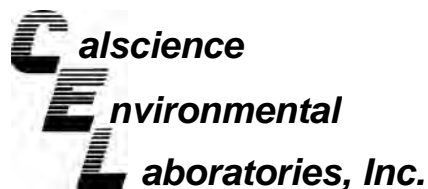
Date Received: 10/05/10  
Work Order No: 10-10-0300  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

Project DFSP NORWALK GWM / 746442

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| 10-10-0309-1              | Aqueous | GC 5       | 10/07/10      | 10/07/10      | 101007S01           |

| Parameter       | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-----------------|---------|----------|---------|-----|--------|------------|
| TPH as Gasoline | 107     | 100      | 68-122  | 6   | 0-18   |            |

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - Spike/Spike Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

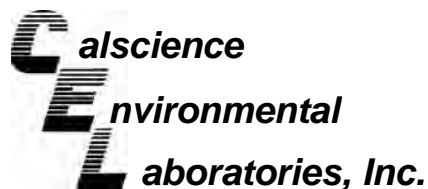
Date Received: 10/05/10  
Work Order No: 10-10-0300  
Preparation: EPA 5030C  
Method: EPA 8260B

Project DFSP NORWALK GWM / 746442

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| GMW-15                    | Aqueous | GC/MS PP   | 10/09/10      | 10/09/10      | 101009S01           |

| Parameter                     | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|---------|----------|---------|-----|--------|------------|
| Benzene                       | 99      | 101      | 80-120  | 1   | 0-20   |            |
| Carbon Tetrachloride          | 103     | 107      | 55-151  | 4   | 0-20   |            |
| Chlorobenzene                 | 103     | 103      | 80-120  | 1   | 0-20   |            |
| 1,2-Dibromoethane             | 105     | 107      | 77-125  | 2   | 0-20   |            |
| 1,2-Dichlorobenzene           | 101     | 103      | 78-120  | 2   | 0-20   |            |
| 1,2-Dichloroethane            | 100     | 103      | 80-120  | 2   | 0-20   |            |
| 1,1-Dichloroethene            | 106     | 108      | 69-129  | 2   | 0-20   |            |
| Ethylbenzene                  | 104     | 104      | 73-127  | 0   | 0-20   |            |
| Toluene                       | 102     | 104      | 80-120  | 2   | 0-20   |            |
| Trichloroethene               | 103     | 104      | 67-133  | 2   | 0-20   |            |
| Vinyl Chloride                | 98      | 100      | 67-133  | 3   | 0-20   |            |
| Methyl-t-Butyl Ether (MTBE)   | 107     | 110      | 65-131  | 3   | 0-22   |            |
| Tert-Butyl Alcohol (TBA)      | 101     | 101      | 62-134  | 1   | 0-20   |            |
| Diisopropyl Ether (DIPE)      | 105     | 108      | 64-136  | 3   | 0-29   |            |
| Ethyl-t-Butyl Ether (ETBE)    | 105     | 109      | 70-124  | 3   | 0-20   |            |
| Tert-Amyl-Methyl Ether (TAME) | 105     | 106      | 71-125  | 1   | 0-20   |            |
| Ethanol                       | 96      | 93       | 44-152  | 3   | 0-43   |            |

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - Spike/Spike Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

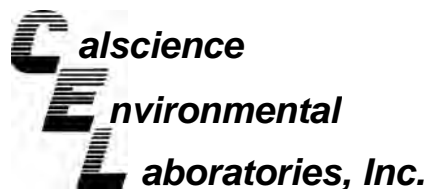
Date Received: 10/05/10  
Work Order No: 10-10-0300  
Preparation: EPA 5030C  
Method: EPA 8260B

Project DFSP NORWALK GWM / 746442

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| 10-10-0312-6              | Aqueous | GC/MS PP   | 10/10/10      | 10/10/10      | 101010S01           |

| Parameter                     | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|---------|----------|---------|-----|--------|------------|
| Benzene                       | 100     | 97       | 80-120  | 3   | 0-20   |            |
| Carbon Tetrachloride          | 111     | 105      | 55-151  | 5   | 0-20   |            |
| Chlorobenzene                 | 102     | 100      | 80-120  | 2   | 0-20   |            |
| 1,2-Dibromoethane             | 107     | 107      | 77-125  | 0   | 0-20   |            |
| 1,2-Dichlorobenzene           | 99      | 97       | 78-120  | 2   | 0-20   |            |
| 1,2-Dichloroethane            | 113     | 110      | 80-120  | 3   | 0-20   |            |
| 1,1-Dichloroethene            | 112     | 107      | 69-129  | 5   | 0-20   |            |
| Ethylbenzene                  | 103     | 99       | 73-127  | 4   | 0-20   |            |
| Toluene                       | 105     | 100      | 80-120  | 5   | 0-20   |            |
| Trichloroethene               | 102     | 97       | 67-133  | 4   | 0-20   |            |
| Vinyl Chloride                | 98      | 102      | 67-133  | 4   | 0-20   |            |
| Methyl-t-Butyl Ether (MTBE)   | 114     | 110      | 65-131  | 3   | 0-22   |            |
| Tert-Butyl Alcohol (TBA)      | 101     | 101      | 62-134  | 0   | 0-20   |            |
| Diisopropyl Ether (DIPE)      | 110     | 107      | 64-136  | 3   | 0-29   |            |
| Ethyl-t-Butyl Ether (ETBE)    | 110     | 108      | 70-124  | 2   | 0-20   |            |
| Tert-Amyl-Methyl Ether (TAME) | 110     | 106      | 71-125  | 3   | 0-20   |            |
| Ethanol                       | 99      | 88       | 44-152  | 11  | 0-43   |            |

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - Spike/Spike Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

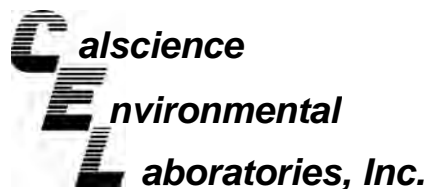
Date Received: 10/05/10  
Work Order No: 10-10-0300  
Preparation: EPA 5030C  
Method: EPA 8260B

Project DFSP NORWALK GWM / 746442

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| 10-10-0461-4              | Aqueous | GC/MS JJ   | 10/11/10      | 10/12/10      | 101011S02           |

| Parameter                     | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|---------|----------|---------|-----|--------|------------|
| Benzene                       | 101     | 92       | 80-120  | 9   | 0-20   |            |
| Carbon Tetrachloride          | 103     | 94       | 55-151  | 9   | 0-20   |            |
| Chlorobenzene                 | 98      | 88       | 80-120  | 10  | 0-20   |            |
| 1,2-Dibromoethane             | 102     | 93       | 77-125  | 10  | 0-20   |            |
| 1,2-Dichlorobenzene           | 92      | 83       | 78-120  | 10  | 0-20   |            |
| 1,2-Dichloroethane            | 110     | 99       | 80-120  | 11  | 0-20   |            |
| 1,1-Dichloroethene            | 106     | 97       | 69-129  | 9   | 0-20   |            |
| Ethylbenzene                  | 102     | 93       | 73-127  | 9   | 0-20   |            |
| Toluene                       | 103     | 95       | 80-120  | 9   | 0-20   |            |
| Trichloroethene               | 102     | 94       | 67-133  | 8   | 0-20   |            |
| Vinyl Chloride                | 108     | 101      | 67-133  | 7   | 0-20   |            |
| Methyl-t-Butyl Ether (MTBE)   | 106     | 98       | 65-131  | 8   | 0-22   |            |
| Tert-Butyl Alcohol (TBA)      | 104     | 98       | 62-134  | 7   | 0-20   |            |
| Diisopropyl Ether (DIPE)      | 109     | 100      | 64-136  | 8   | 0-29   |            |
| Ethyl-t-Butyl Ether (ETBE)    | 108     | 100      | 70-124  | 8   | 0-20   |            |
| Tert-Amyl-Methyl Ether (TAME) | 104     | 96       | 71-125  | 9   | 0-20   |            |
| Ethanol                       | 94      | 99       | 44-152  | 5   | 0-43   |            |

RPD - Relative Percent Difference , CL - Control Limit



**Quality Control - LCS/LCS Duplicate**



Parsons, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

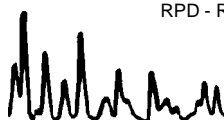
Date Received: N/A  
 Work Order No: 10-10-0300  
 Preparation: EPA 3510C  
 Method: EPA 8015B (M)

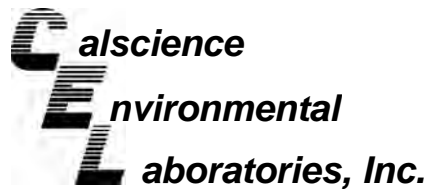
Project: DFSP NORWALK GWM / 746442

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|-----------------------|
| 099-12-366-69             | Aqueous | GC 27      | 10/07/10      | 10/09/10      | 101007B14             |

| Parameter  | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|------------|----------|-----------|---------|-----|--------|------------|
| TPH as JP5 | 95       | 99        | 75-117  | 4   | 0-13   |            |

RPD - Relative Percent Difference , CL - Control Limit





## Quality Control - LCS/LCS Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

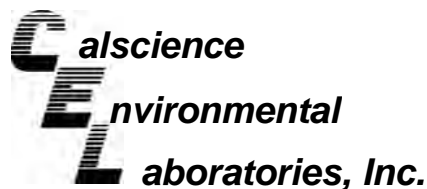
Date Received: N/A  
Work Order No: 10-10-0300  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM / 746442

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|-----------------------|
| 099-12-247-4,543          | Aqueous | GC 5       | 10/07/10      | 10/07/10      | 101007B01             |

| Parameter       | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-----------------|----------|-----------|---------|-----|--------|------------|
| TPH as Gasoline | 105      | 105       | 78-120  | 0   | 0-10   |            |

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - LCS/LCS Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: N/A  
Work Order No: 10-10-0300  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: DFSP NORWALK GWM / 746442

| Quality Control Sample ID     | Matrix   | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |        |            |
|-------------------------------|----------|------------|---------------|---------------|-----------------------|--------|------------|
| 099-14-001-2,182              | Aqueous  | GC/MS PP   | 10/09/10      | 10/09/10      | 101009L01             |        |            |
| Parameter                     | LCS %REC | LCSD %REC  | %REC CL       | ME CL         | RPD                   | RPD CL | Qualifiers |
| Benzene                       | 99       | 98         | 80-120        | 73-127        | 1                     | 0-20   |            |
| Carbon Tetrachloride          | 103      | 101        | 67-139        | 55-151        | 2                     | 0-22   |            |
| Chlorobenzene                 | 103      | 102        | 80-120        | 73-127        | 1                     | 0-20   |            |
| 1,2-Dibromoethane             | 104      | 106        | 80-120        | 73-127        | 2                     | 0-20   |            |
| 1,2-Dichlorobenzene           | 99       | 100        | 79-120        | 72-127        | 1                     | 0-20   |            |
| 1,2-Dichloroethane            | 101      | 102        | 80-120        | 73-127        | 1                     | 0-20   |            |
| 1,1-Dichloroethene            | 104      | 101        | 71-125        | 62-134        | 3                     | 0-25   |            |
| Ethylbenzene                  | 102      | 100        | 80-123        | 73-130        | 2                     | 0-20   |            |
| Toluene                       | 101      | 101        | 80-120        | 73-127        | 0                     | 0-20   |            |
| Trichloroethene               | 103      | 103        | 80-120        | 73-127        | 0                     | 0-20   |            |
| Vinyl Chloride                | 96       | 94         | 68-140        | 56-152        | 1                     | 0-23   |            |
| Methyl-t-Butyl Ether (MTBE)   | 109      | 108        | 75-123        | 67-131        | 1                     | 0-25   |            |
| Tert-Butyl Alcohol (TBA)      | 102      | 98         | 72-126        | 63-135        | 4                     | 0-20   |            |
| Diisopropyl Ether (DIPE)      | 107      | 105        | 75-129        | 66-138        | 2                     | 0-22   |            |
| Ethyl-t-Butyl Ether (ETBE)    | 108      | 107        | 76-124        | 68-132        | 1                     | 0-20   |            |
| Tert-Amyl-Methyl Ether (TAME) | 106      | 106        | 79-121        | 72-128        | 0                     | 0-20   |            |
| Ethanol                       | 89       | 93         | 53-143        | 38-158        | 4                     | 0-25   |            |

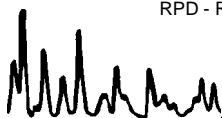
Total number of LCS compounds : 17

Total number of ME compounds : 0

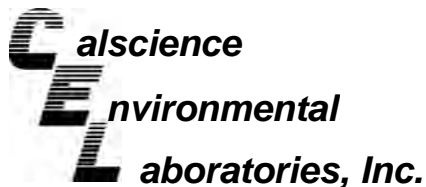
Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit







## Quality Control - LCS/LCS Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: N/A  
Work Order No: 10-10-0300  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: DFSP NORWALK GWM / 746442

| Quality Control Sample ID     | Matrix         | Instrument      | Date Prepared   | Date Analyzed   | LCS/LCSD Batch Number |        |            |
|-------------------------------|----------------|-----------------|-----------------|-----------------|-----------------------|--------|------------|
| <b>099-14-001-2,190</b>       | <b>Aqueous</b> | <b>GC/MS PP</b> | <b>10/10/10</b> | <b>10/10/10</b> | <b>101010L01</b>      |        |            |
| Parameter                     | LCS %REC       | LCSD %REC       | %REC CL         | ME CL           | RPD                   | RPD CL | Qualifiers |
| Benzene                       | 97             | 98              | 80-120          | 73-127          | 1                     | 0-20   |            |
| Carbon Tetrachloride          | 109            | 109             | 67-139          | 55-151          | 0                     | 0-22   |            |
| Chlorobenzene                 | 99             | 101             | 80-120          | 73-127          | 2                     | 0-20   |            |
| 1,2-Dibromoethane             | 106            | 106             | 80-120          | 73-127          | 0                     | 0-20   |            |
| 1,2-Dichlorobenzene           | 97             | 97              | 79-120          | 72-127          | 0                     | 0-20   |            |
| 1,2-Dichloroethane            | 107            | 108             | 80-120          | 73-127          | 1                     | 0-20   |            |
| 1,1-Dichloroethene            | 107            | 108             | 71-125          | 62-134          | 1                     | 0-25   |            |
| Ethylbenzene                  | 99             | 103             | 80-123          | 73-130          | 4                     | 0-20   |            |
| Toluene                       | 100            | 102             | 80-120          | 73-127          | 1                     | 0-20   |            |
| Trichloroethene               | 102            | 103             | 80-120          | 73-127          | 1                     | 0-20   |            |
| Vinyl Chloride                | 95             | 94              | 68-140          | 56-152          | 1                     | 0-23   |            |
| Methyl-t-Butyl Ether (MTBE)   | 111            | 108             | 75-123          | 67-131          | 3                     | 0-25   |            |
| Tert-Butyl Alcohol (TBA)      | 100            | 97              | 72-126          | 63-135          | 3                     | 0-20   |            |
| Diisopropyl Ether (DIPE)      | 106            | 107             | 75-129          | 66-138          | 1                     | 0-22   |            |
| Ethyl-t-Butyl Ether (ETBE)    | 108            | 109             | 76-124          | 68-132          | 0                     | 0-20   |            |
| Tert-Amyl-Methyl Ether (TAME) | 106            | 107             | 79-121          | 72-128          | 1                     | 0-20   |            |
| Ethanol                       | 92             | 89              | 53-143          | 38-158          | 3                     | 0-25   |            |

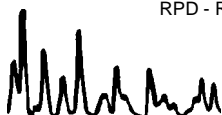
Total number of LCS compounds : 17

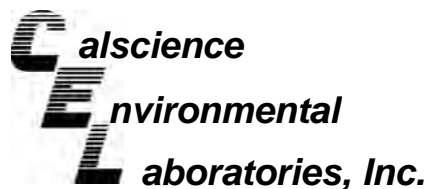
Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





## Quality Control - LCS/LCS Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: N/A  
Work Order No: 10-10-0300  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: DFSP NORWALK GWM / 746442

| Quality Control Sample ID     | Matrix          | Instrument       | Date Prepared   | Date Analyzed   | LCS/LCSD Batch Number |               |                   |
|-------------------------------|-----------------|------------------|-----------------|-----------------|-----------------------|---------------|-------------------|
| <b>099-14-001-2,216</b>       | <b>Aqueous</b>  | <b>GC/MS JJ</b>  | <b>10/11/10</b> | <b>10/12/10</b> | <b>101011L02</b>      |               |                   |
| <u>Parameter</u>              | <u>LCS %REC</u> | <u>LCSD %REC</u> | <u>%REC CL</u>  | <u>ME CL</u>    | <u>RPD</u>            | <u>RPD CL</u> | <u>Qualifiers</u> |
| Benzene                       | 100             | 100              | 80-120          | 73-127          | 1                     | 0-20          |                   |
| Carbon Tetrachloride          | 100             | 102              | 67-139          | 55-151          | 2                     | 0-22          |                   |
| Chlorobenzene                 | 95              | 99               | 80-120          | 73-127          | 4                     | 0-20          |                   |
| 1,2-Dibromoethane             | 100             | 103              | 80-120          | 73-127          | 4                     | 0-20          |                   |
| 1,2-Dichlorobenzene           | 92              | 94               | 79-120          | 72-127          | 2                     | 0-20          |                   |
| 1,2-Dichloroethane            | 107             | 108              | 80-120          | 73-127          | 1                     | 0-20          |                   |
| 1,1-Dichloroethene            | 107             | 108              | 71-125          | 62-134          | 2                     | 0-25          |                   |
| Ethylbenzene                  | 102             | 103              | 80-123          | 73-130          | 1                     | 0-20          |                   |
| Toluene                       | 103             | 102              | 80-120          | 73-127          | 1                     | 0-20          |                   |
| Trichloroethene               | 102             | 100              | 80-120          | 73-127          | 2                     | 0-20          |                   |
| Vinyl Chloride                | 107             | 111              | 68-140          | 56-152          | 4                     | 0-23          |                   |
| Methyl-t-Butyl Ether (MTBE)   | 104             | 107              | 75-123          | 67-131          | 3                     | 0-25          |                   |
| Tert-Butyl Alcohol (TBA)      | 93              | 105              | 72-126          | 63-135          | 12                    | 0-20          |                   |
| Diisopropyl Ether (DIPE)      | 106             | 110              | 75-129          | 66-138          | 3                     | 0-22          |                   |
| Ethyl-t-Butyl Ether (ETBE)    | 106             | 109              | 76-124          | 68-132          | 3                     | 0-20          |                   |
| Tert-Amyl-Methyl Ether (TAME) | 105             | 104              | 79-121          | 72-128          | 1                     | 0-20          |                   |
| Ethanol                       | 109             | 110              | 53-143          | 38-158          | 1                     | 0-25          |                   |

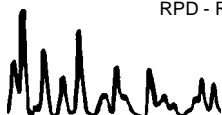
Total number of LCS compounds : 17

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

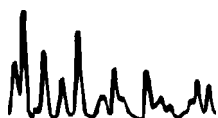


## Glossary of Terms and Qualifiers



Work Order Number: 10-10-0300

| <u>Qualifier</u> | <u>Definition</u>  |
|------------------|--|
| *                | See applicable analysis comment.   |
| <                | Less than the indicated value.   |
| >                | Greater than the indicated value.  |
| 1                | Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.   |
| 2                | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.                             |
| 3                | Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.    |
| 4                | The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.  |
| 5                | The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification. |
| B                | Analyte was present in the associated method blank.  |
| E                | Concentration exceeds the calibration range.   |
| J                | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.  |
| ME               | LCS Recovery Percentage is within LCS ME Control Limit range.  |
| ND               | Parameter not detected at the indicated reporting limit.   |
| Q                | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.  |
| X                | % Recovery and/or RPD out-of-range.  |
| Z                | Analyte presence was not confirmed by second column or GC/MS analysis.<br><br>Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.   |





# Calscience Environmental Laboratories, Inc.

SoCal Laboratory  
 7440 Lincoln Way  
 Garden Grove, CA 92841-1427  
 (714) 895-5494

NorCal Service Center  
 5063 Commercial Circle, Suite H  
 Concord, CA 94520-8577  
 (925) 689-9022

# CHAIN OF CUSTODY RECORD

Date 10/5/10  
 Page 1 of 2

|   |                                     |   |                                     |  |  |
|---|-------------------------------------|---|-------------------------------------|--|--|
| LABORATORY CLIENT: <u>Presons</u>   |                                     | CLIENT PROJECT NAME / NUMBER: <u>7110412 DFS NORWALK GWM</u>  |                                     | P.O. NO.:                                |  |
| ADDRESS: <u>100 W. WALNUT ST</u>  |                                     | PROJECT CONTACT: <u>MARY LUCAS</u>  |                                     | LAB USE ONLY                             |  |
| CITY: <u>PASADENA</u>   | STATE: <u>CA.</u>                   | ZIP: <u>91124</u>   | SAMPLER(S): (PRINT) <u>M. HOUSE</u> | COELT LOG CODE: <input type="checkbox"/> | COOLER RECEIPT: <input type="checkbox"/> |
| TEL: <u>626-410-6632</u>  | E-MAIL: <u>MARY.LUCAS@PSONS.COM</u> | TEMP: _____ °C  |                                     |  |  |
| TURNAROUND TIME:<br><input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> STANDARD |                                     | SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)<br><input type="checkbox"/> RWQCB REPORTING FORMS <input type="checkbox"/> COELT EDF <input type="checkbox"/>   |                                     |  |  |
| SPECIAL INSTRUCTIONS:   |                                     | <b>REQUESTED ANALYSES</b><br>TPB (g) by 8015<br>TPB (d) or (C6-C36) or (C6-C44)<br>TPB (ASAP by 8015)<br>VOCs (8260B) <u>INCLUDE TRSA</u><br>VOCs (8260B) <u>EXCLUDE TRSA</u><br>Oxygenates (8260B)<br>Encore Prep (5035)<br>SVOCs (8270C)<br>Pesticides (8081A)<br>PCBs (8082)<br>PNAs (8310) or (8270C)<br>T22 Metals (6010B/74X)<br>Cr(VI) [7196A or 7199 or 218.6]<br>VOCs (TO-14A) or (TO-15)<br>TPH (g) [TO-3+] |                                     |  |  |

| LAB USE ONLY | SAMPLE ID    | FIELD POINT NAME (FOR COELT EDF) | SAMPLING |      | MATRIX | NO. OF CONT. |
|--------------|--------------|----------------------------------|----------|------|--------|--------------|
|              |              |                                  | DATE     | TIME |        |              |
|              | 1 TRS-2      | -                                | 10/5/10  | 0800 | W      | 2            |
|              | 2 GMW-16     | -                                |          | 0754 | W      | 4            |
|              | 3 GMW-15     | -                                |          | 0839 | W      | 4            |
|              | 4 GMW-15 dup | -                                |          | -    | W      | 4            |
|              | 5 GMW-16     | -                                |          | 0953 | W      | 4            |
|              | 6 GMW-16     | -                                |          | 1033 | W      | 4            |
|              | 7 GMW-17     | -                                |          | 1109 | W      | 7            |
|              | 8 GMW-17 dup | -                                |          | -    | W      | 4            |
|              | 9 GMW-162    | -                                |          | 1152 | W      | 7            |
|              | 10 GMW-165   | -                                | 10/5/10  | 1230 | W      | 4            |

|   |  |                      |                    |
|---|--|----------------------|--------------------|
| Relinquished by: (Signature) <u>M. House</u>    | Received by: (Signature/Affiliation) <u>S. Custodian</u> | Date: <u>10/5/10</u> | Time: <u>1:30</u>  |
| Relinquished by: (Signature) <u>[Signature]</u> | Received by: (Signature/Affiliation) <u>Car</u>          | Date: <u>10/5/10</u> | Time: <u>16:00</u> |
| Relinquished by: (Signature) <u>[Signature]</u> | Received by: (Signature/Affiliation) <u>[Signature]</u>  | Date: <u>10/5/10</u> | Time: <u>17:30</u> |

DISTRIBUTION: Write with final report, Green and Yellow to Client. Please note that pages 1 and 2 of 2 of our TICs are printed on the reverse side of the Green and Yellow copies respectively.



**Calscience Environmental Laboratories, Inc.**

SoCal Laboratory  
 7440 Lincoln Way  
 Garden Grove, CA 92841-1427  
 (714) 895-5494



NorCal Service Center  
 5063 Commercial Circle, Suite H  
 Concord, CA 94520-8577  
 (925) 689-9022

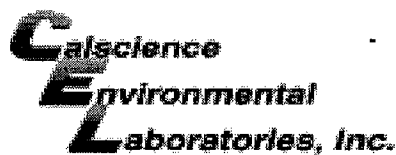
**CHAIN OF CUSTODY RECORD**

Date 10/5/10  
 Page 2 of 2

| LABORATORY CLIENT: <b>PARSONS</b>   |                                | CLIENT PROJECT NAME / NUMBER:<br><b>74612 DESP NORMACK GWM</b>  |               | P.O. NO.:   |                      |                                |  |                            |                                |                    |                    |               |                        |                         |                                 |                          |                                 |                          |                 |    |          |   |  |   |  |  |  |  |  |  |  |  |  |  |    |          |   |  |   |  |  |  |  |  |  |  |  |  |  |
|---|--------------------------------|---|---------------|---|----------------------|--------------------------------|--|----------------------------|--------------------------------|--------------------|--------------------|---------------|------------------------|-------------------------|---------------------------------|--------------------------|---------------------------------|--------------------------|-----------------|----|----------|---|--|---|--|--|--|--|--|--|--|--|--|--|----|----------|---|--|---|--|--|--|--|--|--|--|--|--|--|
| ADDRESS: <b>100 W. LAURENT ST.</b>  |                                | PROJECT CONTACT: <b>MACY LUCAS</b>  |               | LAB USE ONLY<br><input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |                      |                                |  |                            |                                |                    |                    |               |                        |                         |                                 |                          |                                 |                          |                 |    |          |   |  |   |  |  |  |  |  |  |  |  |  |  |    |          |   |  |   |  |  |  |  |  |  |  |  |  |  |
| CITY: <b>PASADENA</b> STATE: <b>CA.</b> ZIP: <b>91124</b>   |                                | SAMPLER(S): (PRINT)<br><b>Matthew</b>   |               | COOLER RECEIPT<br>TEMP= °C  |                      |                                |  |                            |                                |                    |                    |               |                        |                         |                                 |                          |                                 |                          |                 |    |          |   |  |   |  |  |  |  |  |  |  |  |  |  |    |          |   |  |   |  |  |  |  |  |  |  |  |  |  |
| TEL: <b>626-416-6032</b> E-MAIL: <b>MACY.LUCAS@PARSONS.COM</b>  |                                | COELT LOG CODE<br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>   |               |   |                      |                                |  |                            |                                |                    |                    |               |                        |                         |                                 |                          |                                 |                          |                 |    |          |   |  |   |  |  |  |  |  |  |  |  |  |  |    |          |   |  |   |  |  |  |  |  |  |  |  |  |  |
| TURNAROUND TIME:<br><input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> STANDARD<br>SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)<br><input type="checkbox"/> RWQCB REPORTING FORMS <input type="checkbox"/> COELT EDF <input type="checkbox"/><br>SPECIAL INSTRUCTIONS: |                                | <b>REQUESTED ANALYSES</b><br><table border="1"> <tr> <th>TPH (g) by 8015</th> <th>TPH (d) or (C6-C36) or (C6-C4)</th> <th>TPH (AS-IRS by 8015)</th> <th>BTEX / MTBE (8260B) or ( )</th> <th>VOCs (8260B) AS-IRS, MTBE, TBA</th> <th>Oxygenates (8260B)</th> <th>Encore Prep (5035)</th> <th>SVOCs (8270C)</th> <th>Pesticides (8081A)</th> <th>PCBs (8082)</th> <th>PnAs (8310) or (8270C)</th> <th>T22 Metals (6010B/747X)</th> <th>Cr(VI) [7196A or 7199 or 218.6]</th> <th>VOCs (TO-14A) or (TO-15)</th> <th>TPH (g) [TO-3+]</th> </tr> <tr> <td>11</td> <td>GMLW-604</td> <td>X</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>12</td> <td>GMLW-603</td> <td>X</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> |               |   | TPH (g) by 8015      | TPH (d) or (C6-C36) or (C6-C4) | TPH (AS-IRS by 8015)   | BTEX / MTBE (8260B) or ( ) | VOCs (8260B) AS-IRS, MTBE, TBA | Oxygenates (8260B) | Encore Prep (5035) | SVOCs (8270C) | Pesticides (8081A)     | PCBs (8082)             | PnAs (8310) or (8270C)          | T22 Metals (6010B/747X)  | Cr(VI) [7196A or 7199 or 218.6] | VOCs (TO-14A) or (TO-15) | TPH (g) [TO-3+] | 11 | GMLW-604 | X |  | X |  |  |  |  |  |  |  |  |  |  | 12 | GMLW-603 | X |  | X |  |  |  |  |  |  |  |  |  |  |
| TPH (g) by 8015   | TPH (d) or (C6-C36) or (C6-C4) |   |               |   | TPH (AS-IRS by 8015) | BTEX / MTBE (8260B) or ( )     | VOCs (8260B) AS-IRS, MTBE, TBA   | Oxygenates (8260B)         | Encore Prep (5035)             | SVOCs (8270C)      | Pesticides (8081A) | PCBs (8082)   | PnAs (8310) or (8270C) | T22 Metals (6010B/747X) | Cr(VI) [7196A or 7199 or 218.6] | VOCs (TO-14A) or (TO-15) | TPH (g) [TO-3+]                 |                          |                 |    |          |   |  |   |  |  |  |  |  |  |  |  |  |  |    |          |   |  |   |  |  |  |  |  |  |  |  |  |  |
| 11  | GMLW-604                       | X   |               | X   |                      |                                |  |                            |                                |                    |                    |               |                        |                         |                                 |                          |                                 |                          |                 |    |          |   |  |   |  |  |  |  |  |  |  |  |  |  |    |          |   |  |   |  |  |  |  |  |  |  |  |  |  |
| 12  | GMLW-603                       | X   |               | X   |                      |                                |  |                            |                                |                    |                    |               |                        |                         |                                 |                          |                                 |                          |                 |    |          |   |  |   |  |  |  |  |  |  |  |  |  |  |    |          |   |  |   |  |  |  |  |  |  |  |  |  |  |
| LAB USE ONLY  | SAMPLE ID                      | FIELD POINT NAME (FOR COELT EDF)  | SAMPLING DATE | SAMPLING TIME   | MATRIX               | NO. OF CONT.                   |  |                            |                                |                    |                    |               |                        |                         |                                 |                          |                                 |                          |                 |    |          |   |  |   |  |  |  |  |  |  |  |  |  |  |    |          |   |  |   |  |  |  |  |  |  |  |  |  |  |
|   |                                |   | 10/5/10       | 1317  | W                    | 4                              |  |                            |                                |                    |                    |               |                        |                         |                                 |                          |                                 |                          |                 |    |          |   |  |   |  |  |  |  |  |  |  |  |  |  |    |          |   |  |   |  |  |  |  |  |  |  |  |  |  |
|   |                                |   | 10/5/10       | 1403  | W                    | 4                              |  |                            |                                |                    |                    |               |                        |                         |                                 |                          |                                 |                          |                 |    |          |   |  |   |  |  |  |  |  |  |  |  |  |  |    |          |   |  |   |  |  |  |  |  |  |  |  |  |  |
|   |                                |   |               |   |                      |                                | Relinquished by: (Signature) <i>MATTHEW</i><br>Received by: (Signature/Affiliation) <i>S. Custodian</i><br>Date: <u>10/5/10</u> Time: <u>1530</u>    |                            |                                |                    |                    |               |                        |                         |                                 |                          |                                 |                          |                 |    |          |   |  |   |  |  |  |  |  |  |  |  |  |  |    |          |   |  |   |  |  |  |  |  |  |  |  |  |  |
|   |                                |   |               |   |                      |                                | Relinquished by: (Signature) <i>[Signature]</i><br>Received by: (Signature/Affiliation) <i>Aty Mcguy</i><br>Date: <u>10/5/10</u> Time: <u>1600</u>   |                            |                                |                    |                    |               |                        |                         |                                 |                          |                                 |                          |                 |    |          |   |  |   |  |  |  |  |  |  |  |  |  |  |    |          |   |  |   |  |  |  |  |  |  |  |  |  |  |
|   |                                |   |               |   |                      |                                | Relinquished by: (Signature) <i>[Signature]</i><br>Received by: (Signature/Affiliation) <i>[Signature]</i><br>Date: <u>10/5/10</u> Time: <u>1730</u> |                            |                                |                    |                    |               |                        |                         |                                 |                          |                                 |                          |                 |    |          |   |  |   |  |  |  |  |  |  |  |  |  |  |    |          |   |  |   |  |  |  |  |  |  |  |  |  |  |

DISTRIBUTION: White with final report, Green and Yellow to Client.  
 Please note that pages 1 and 2 of 2 of our TICs are printed on the reverse side of the Green and Yellow copies respectively.

05/01/07 Revision



WORK ORDER #: 10-10-0300

**SAMPLE RECEIPT FORM**

Cooler 1 of 1

CLIENT: PARSONS

DATE: 10/5/10

**TEMPERATURE:** Thermometer ID: SC1 (Criteria: 0.0°C – 6.0°C, not frozen)

Temperature 3.0 °C + 0.5°C (CF) = 3.5 °C  Blank  Sample

Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_).

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature:  Air  Filter

Initial: DT

**CUSTODY SEALS INTACT:**

Cooler  \_\_\_\_\_  No (Not Intact)  Not Present  N/A Initial: DT

Sample  \_\_\_\_\_  No (Not Intact)  Not Present Initial: DT

**SAMPLE CONDITION:**

|  | Yes                                 | No                       | N/A                                 |
|--|-------------------------------------|--------------------------|-------------------------------------|
| Chain-Of-Custody (COC) document(s) received with samples.....  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| COC document(s) received complete.....   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| <input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.                                |                                     |                          |                                     |
| <input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished. |                                     |                          |                                     |
| Sampler's name indicated on COC.....   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| Sample container label(s) consistent with COC.....   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| Sample container(s) intact and good condition.....   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| Proper containers and sufficient volume for analyses requested.....  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| Analyses received within holding time.....   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| pH / Residual Chlorine / Dissolved Sulfide received within 24 hours.....   | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Proper preservation noted on COC or sample container.....  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| <input type="checkbox"/> Unpreserved vials received for Volatiles analysis   |                                     |                          |                                     |
| Volatile analysis container(s) free of headspace.....  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| Tedlar bag(s) free of condensation.....  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

**CONTAINER TYPE:**

**Solid:**  4ozCGJ  8ozCGJ  16ozCGJ  Sleeve (\_\_\_\_)  EnCores®  TerraCores®  \_\_\_\_\_

**Water:**  VOA  VOAh  VOAna<sub>2</sub>  125AGB  125AGBh  125AGBp  1AGB  1AGBna<sub>2</sub>  1AGBs

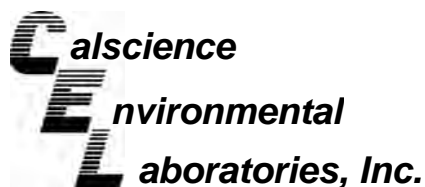
500AGB  500AGJ  500AGJs  250AGB  250CGB  250CGBs  1PB  500PB  500PBna

250PB  250PBn  125PB  125PBz<sub>na</sub>  100PJ  100PJna<sub>2</sub>  \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_

**Air:**  Tedlar®  Summa® **Other:**  \_\_\_\_\_ **Trip Blank Lot#:** 100930A **Labeled/Checked by:** DT

**Container:** C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** YL

**Preservative:** h: HCL n: HNO<sub>3</sub> na<sub>2</sub>: Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> na: NaOH p: H<sub>3</sub>PO<sub>4</sub> s: H<sub>2</sub>SO<sub>4</sub> z<sub>na</sub>: ZnAc<sub>2</sub>+NaOH f: Field-filtered **Scanned by:** YL



October 14, 2010

Mary Lucas  
Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Subject: **CalScience Work Order No.: 10-10-0451**  
**Client Reference: DFSP NORWALK GWM / 746442**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 10/6/2010 and analyzed in accordance with the attached chain-of-custody.

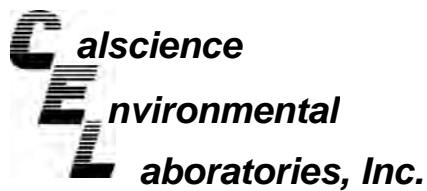
CalScience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analysis, if any, is provided herein, and follows the standard CalScience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink that reads 'Ranjit K. F. Clarke'.

CalScience Environmental  
Laboratories, Inc.  
Ranjit Clarke  
Project Manager



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/06/10  
Work Order No: 10-10-0451  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM / 746442

Page 1 of 4

| Client Sample Number | Lab Sample Number     | Date/Time Collected       | Matrix         | Instrument   | Date Prepared   | Date/Time Analyzed        | QC Batch ID      |
|----------------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| <b>GMW-47</b>        | <b>10-10-0451-2-D</b> | <b>10/06/10<br/>07:49</b> | <b>Aqueous</b> | <b>GC 49</b> | <b>10/11/10</b> | <b>10/11/10<br/>19:50</b> | <b>101011B15</b> |

| Parameter          | Result         | RL                    | DF | Qual        | Units |
|--------------------|----------------|-----------------------|----|-------------|-------|
| TPH as JP5         | 1800           | 100                   | 1  |             | ug/L  |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> |       |
| Decachlorobiphenyl | 96             | 68-140                |    |             |       |

|               |                       |                           |                |              |                 |                           |                  |
|---------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| <b>GMW-57</b> | <b>10-10-0451-3-D</b> | <b>10/06/10<br/>08:27</b> | <b>Aqueous</b> | <b>GC 49</b> | <b>10/11/10</b> | <b>10/11/10<br/>20:05</b> | <b>101011B15</b> |
|---------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|

| Parameter          | Result         | RL                    | DF | Qual        | Units |
|--------------------|----------------|-----------------------|----|-------------|-------|
| TPH as JP5         | ND             | 100                   | 1  |             | ug/L  |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> |       |
| Decachlorobiphenyl | 107            | 68-140                |    |             |       |

|                  |                       |                           |                |              |                 |                           |                  |
|------------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| <b>GMW-57dup</b> | <b>10-10-0451-4-D</b> | <b>10/06/10<br/>00:00</b> | <b>Aqueous</b> | <b>GC 49</b> | <b>10/11/10</b> | <b>10/11/10<br/>20:20</b> | <b>101011B15</b> |
|------------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|

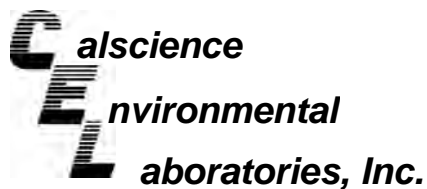
| Parameter          | Result         | RL                    | DF | Qual        | Units |
|--------------------|----------------|-----------------------|----|-------------|-------|
| TPH as JP5         | ND             | 100                   | 1  |             | ug/L  |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> |       |
| Decachlorobiphenyl | 93             | 68-140                |    |             |       |

|              |                       |                           |                |              |                 |                           |                  |
|--------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| <b>MW-13</b> | <b>10-10-0451-5-D</b> | <b>10/06/10<br/>09:06</b> | <b>Aqueous</b> | <b>GC 49</b> | <b>10/11/10</b> | <b>10/11/10<br/>20:35</b> | <b>101011B15</b> |
|--------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|

| Parameter          | Result         | RL                    | DF | Qual        | Units |
|--------------------|----------------|-----------------------|----|-------------|-------|
| TPH as JP5         | ND             | 100                   | 1  |             | ug/L  |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> |       |
| Decachlorobiphenyl | 96             | 68-140                |    |             |       |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/06/10  
Work Order No: 10-10-0451  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM / 746442

Page 2 of 4

| Client Sample Number | Lab Sample Number     | Date/Time Collected       | Matrix         | Instrument   | Date Prepared   | Date/Time Analyzed        | QC Batch ID      |
|----------------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| <b>GMW-66</b>        | <b>10-10-0451-6-D</b> | <b>10/06/10<br/>09:43</b> | <b>Aqueous</b> | <b>GC 49</b> | <b>10/11/10</b> | <b>10/11/10<br/>20:49</b> | <b>101011B15</b> |

| <u>Parameter</u>   | <u>Result</u>  | <u>RL</u>             | <u>DF</u> | <u>Qual</u> | <u>Units</u> |
|--------------------|----------------|-----------------------|-----------|-------------|--------------|
| TPH as JP5         | ND             | 100                   | 1         |             | ug/L         |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> |           | <u>Qual</u> |              |
| Decachlorobiphenyl | 93             | 68-140                |           |             |              |

|              |                       |                           |                |              |                 |                           |                  |
|--------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| <b>MW-17</b> | <b>10-10-0451-7-D</b> | <b>10/06/10<br/>10:24</b> | <b>Aqueous</b> | <b>GC 49</b> | <b>10/11/10</b> | <b>10/11/10<br/>21:04</b> | <b>101011B15</b> |
|--------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|

| <u>Parameter</u>   | <u>Result</u>  | <u>RL</u>             | <u>DF</u> | <u>Qual</u> | <u>Units</u> |
|--------------------|----------------|-----------------------|-----------|-------------|--------------|
| TPH as JP5         | ND             | 100                   | 1         |             | ug/L         |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> |           | <u>Qual</u> |              |
| Decachlorobiphenyl | 107            | 68-140                |           |             |              |

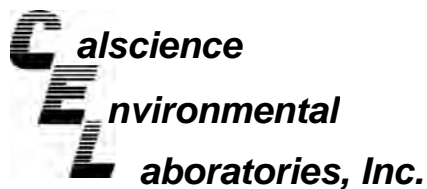
|               |                       |                           |                |              |                 |                           |                  |
|---------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| <b>GMW-58</b> | <b>10-10-0451-8-D</b> | <b>10/06/10<br/>11:06</b> | <b>Aqueous</b> | <b>GC 49</b> | <b>10/11/10</b> | <b>10/11/10<br/>21:19</b> | <b>101011B15</b> |
|---------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|

| <u>Parameter</u>   | <u>Result</u>  | <u>RL</u>             | <u>DF</u> | <u>Qual</u> | <u>Units</u> |
|--------------------|----------------|-----------------------|-----------|-------------|--------------|
| TPH as JP5         | 170            | 100                   | 1         |             | ug/L         |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> |           | <u>Qual</u> |              |
| Decachlorobiphenyl | 104            | 68-140                |           |             |              |

|               |                       |                           |                |              |                 |                           |                  |
|---------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| <b>GMW-59</b> | <b>10-10-0451-9-D</b> | <b>10/06/10<br/>11:49</b> | <b>Aqueous</b> | <b>GC 49</b> | <b>10/11/10</b> | <b>10/11/10<br/>21:34</b> | <b>101011B15</b> |
|---------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|

| <u>Parameter</u>   | <u>Result</u>  | <u>RL</u>             | <u>DF</u> | <u>Qual</u> | <u>Units</u> |
|--------------------|----------------|-----------------------|-----------|-------------|--------------|
| TPH as JP5         | 1500           | 100                   | 1         |             | ug/L         |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> |           | <u>Qual</u> |              |
| Decachlorobiphenyl | 100            | 68-140                |           |             |              |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/06/10  
Work Order No: 10-10-0451  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM / 746442

Page 3 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GMW-59dup            | 10-10-0451-10-D   | 10/06/10<br>00:00   | Aqueous | GC 49      | 10/11/10      | 10/11/10<br>21:48  | 101011B15   |

| Parameter          | Result  | RL             | DF | Qual | Units |
|--------------------|---------|----------------|----|------|-------|
| TPH as JP5         | 1700    | 100            | 1  |      | ug/L  |
| Surrogates:        | REC (%) | Control Limits |    | Qual |       |
| Decachlorobiphenyl | 105     | 68-140         |    |      |       |

|        |                 |                   |         |       |          |                   |           |
|--------|-----------------|-------------------|---------|-------|----------|-------------------|-----------|
| GMW-61 | 10-10-0451-11-D | 10/06/10<br>12:33 | Aqueous | GC 49 | 10/11/10 | 10/11/10<br>22:18 | 101011B15 |
|--------|-----------------|-------------------|---------|-------|----------|-------------------|-----------|

| Parameter          | Result  | RL             | DF | Qual | Units |
|--------------------|---------|----------------|----|------|-------|
| TPH as JP5         | 550     | 100            | 1  |      | ug/L  |
| Surrogates:        | REC (%) | Control Limits |    | Qual |       |
| Decachlorobiphenyl | 99      | 68-140         |    |      |       |

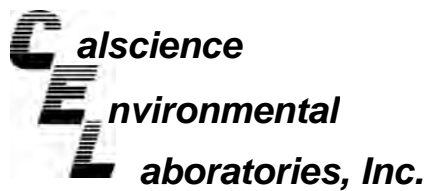
|        |                 |                   |         |       |          |                   |           |
|--------|-----------------|-------------------|---------|-------|----------|-------------------|-----------|
| GMW-60 | 10-10-0451-12-D | 10/06/10<br>13:12 | Aqueous | GC 49 | 10/11/10 | 10/11/10<br>22:33 | 101011B15 |
|--------|-----------------|-------------------|---------|-------|----------|-------------------|-----------|

| Parameter          | Result  | RL             | DF | Qual | Units |
|--------------------|---------|----------------|----|------|-------|
| TPH as JP5         | 1900    | 100            | 1  |      | ug/L  |
| Surrogates:        | REC (%) | Control Limits |    | Qual |       |
| Decachlorobiphenyl | 109     | 68-140         |    |      |       |

|        |                 |                   |         |       |          |                   |           |
|--------|-----------------|-------------------|---------|-------|----------|-------------------|-----------|
| GMW-41 | 10-10-0451-13-D | 10/06/10<br>14:10 | Aqueous | GC 49 | 10/11/10 | 10/11/10<br>22:48 | 101011B15 |
|--------|-----------------|-------------------|---------|-------|----------|-------------------|-----------|

| Parameter          | Result  | RL             | DF | Qual | Units |
|--------------------|---------|----------------|----|------|-------|
| TPH as JP5         | ND      | 100            | 1  |      | ug/L  |
| Surrogates:        | REC (%) | Control Limits |    | Qual |       |
| Decachlorobiphenyl | 91      | 68-140         |    |      |       |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/06/10  
Work Order No: 10-10-0451  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM / 746442

Page 4 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| Method Blank         | 099-12-366-70     | N/A                 | Aqueous | GC 49      | 10/11/10      | 10/11/10<br>19:06  | 101011B15   |

| <u>Parameter</u>   | <u>Result</u>  | <u>RL</u>             | <u>DF</u> | <u>Qual</u> | <u>Units</u> |
|--------------------|----------------|-----------------------|-----------|-------------|--------------|
| TPH as JP5         | ND             | 100                   | 1         |             | ug/L         |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> |           | <u>Qual</u> |              |
| Decachlorobiphenyl | 105            | 68-140                |           |             |              |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/06/10  
Work Order No: 10-10-0451  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM / 746442

Page 1 of 2

| Client Sample Number | Lab Sample Number     | Date/Time Collected       | Matrix         | Instrument   | Date Prepared   | Date/Time Analyzed        | QC Batch ID      |
|----------------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| <b>GMW-59</b>        | <b>10-10-0451-9-E</b> | <b>10/06/10<br/>11:49</b> | <b>Aqueous</b> | <b>GC 25</b> | <b>10/11/10</b> | <b>10/11/10<br/>16:15</b> | <b>101011B01</b> |

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

| Parameter              | Result         | RL                    | DF | Qual        | Units |
|------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline        | 850            | 100                   | 1  |             | ug/L  |
| <u>Surrogates:</u>     | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> |       |
| 1,4-Bromofluorobenzene | 88             | 38-134                |    |             |       |

| Client Sample Number | Lab Sample Number      | Date/Time Collected       | Matrix         | Instrument   | Date Prepared   | Date/Time Analyzed        | QC Batch ID      |
|----------------------|------------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| <b>GMW-61</b>        | <b>10-10-0451-11-E</b> | <b>10/06/10<br/>12:33</b> | <b>Aqueous</b> | <b>GC 25</b> | <b>10/11/10</b> | <b>10/11/10<br/>16:48</b> | <b>101011B01</b> |

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

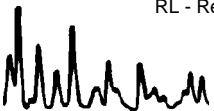
| Parameter              | Result         | RL                    | DF | Qual        | Units |
|------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline        | 1200           | 100                   | 1  |             | ug/L  |
| <u>Surrogates:</u>     | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> |       |
| 1,4-Bromofluorobenzene | 101            | 38-134                |    |             |       |

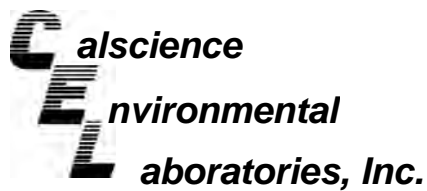
| Client Sample Number | Lab Sample Number      | Date/Time Collected       | Matrix         | Instrument   | Date Prepared   | Date/Time Analyzed        | QC Batch ID      |
|----------------------|------------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| <b>GMW-60</b>        | <b>10-10-0451-12-E</b> | <b>10/06/10<br/>13:12</b> | <b>Aqueous</b> | <b>GC 25</b> | <b>10/11/10</b> | <b>10/11/10<br/>17:22</b> | <b>101011B01</b> |

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

| Parameter              | Result         | RL                    | DF | Qual        | Units |
|------------------------|----------------|-----------------------|----|-------------|-------|
| TPH as Gasoline        | 560            | 100                   | 1  |             | ug/L  |
| <u>Surrogates:</u>     | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> |       |
| 1,4-Bromofluorobenzene | 99             | 38-134                |    |             |       |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/06/10  
Work Order No: 10-10-0451  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM / 746442

Page 2 of 2

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| Method Blank         | 099-12-247-4,555  | N/A                 | Aqueous | GC 25      | 10/11/10      | 10/11/10 12:53     | 101011B01   |

| Parameter              | Result  | RL             | DF | Qual | Units |
|------------------------|---------|----------------|----|------|-------|
| TPH as Gasoline        | ND      | 100            | 1  |      | ug/L  |
| Surrogates:            | REC (%) | Control Limits |    | Qual |       |
| 1,4-Bromofluorobenzene | 88      | 38-134         |    |      |       |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/06/10  
Work Order No: 10-10-0451  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 1 of 18


| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| TB3                  | 10-10-0451-1-A    | 10/06/10 07:30      | Aqueous | GC/MS EE   | 10/11/10      | 10/11/10 19:23     | 101011L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 122     | 80-126         |      | 1,2-Dichloroethane-d4  | 131     | 80-131         |      |
| Toluene-d8           | 96      | 80-120         |      | 1,4-Bromofluorobenzene | 91      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/06/10  
Work Order No: 10-10-0451  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 2 of 18

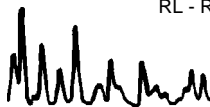
| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GMW-47               | 10-10-0451-2-C    | 10/06/10<br>07:49   | Aqueous | GC/MS R    | 10/12/10      | 10/12/10<br>19:54  | 101012L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | 0.35   | 0.50 | 0.28 | 1  | J    | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | 4.9    | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | 0.72   | 1.0  | 0.20 | 1  | J    | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | 0.63   | 1.0  | 0.28 | 1  | J    | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | 16     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 103     | 80-126         |      | 1,2-Dichloroethane-d4  | 106     | 80-131         |      |
| Toluene-d8           | 102     | 80-120         |      | 1,4-Bromofluorobenzene | 104     | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/06/10  
Work Order No: 10-10-0451  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 3 of 18

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GMW-57               | 10-10-0451-3-C    | 10/06/10<br>08:27   | Aqueous | GC/MS R    | 10/12/10      | 10/12/10<br>20:23  | 101012L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 108     | 80-126         |      | 1,2-Dichloroethane-d4  | 104     | 80-131         |      |
| Toluene-d8           | 104     | 80-120         |      | 1,4-Bromofluorobenzene | 94      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/06/10  
Work Order No: 10-10-0451  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 4 of 18

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GMW-57dup            | 10-10-0451-4-C    | 10/06/10 00:00      | Aqueous | GC/MS R    | 10/12/10      | 10/12/10 20:52     | 101012L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 111     | 80-126         |      | 1,2-Dichloroethane-d4  | 115     | 80-131         |      |
| Toluene-d8           | 98      | 80-120         |      | 1,4-Bromofluorobenzene | 98      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/06/10  
Work Order No: 10-10-0451  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 5 of 18


| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| MW-13                | 10-10-0451-5-C    | 10/06/10<br>09:06   | Aqueous | GC/MS R    | 10/12/10      | 10/12/10<br>21:21  | 101012L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 112     | 80-126         |      | 1,2-Dichloroethane-d4  | 113     | 80-131         |      |
| Toluene-d8           | 100     | 80-120         |      | 1,4-Bromofluorobenzene | 101     | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/06/10  
Work Order No: 10-10-0451  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 6 of 18


| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GMW-66               | 10-10-0451-6-C    | 10/06/10<br>09:43   | Aqueous | GC/MS R    | 10/12/10      | 10/12/10<br>21:51  | 101012L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 112     | 80-126         |      | 1,2-Dichloroethane-d4  | 113     | 80-131         |      |
| Toluene-d8           | 102     | 80-120         |      | 1,4-Bromofluorobenzene | 102     | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/06/10  
Work Order No: 10-10-0451  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 7 of 18

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| MW-17                | 10-10-0451-7-C    | 10/06/10<br>10:24   | Aqueous | GC/MS R    | 10/12/10      | 10/13/10<br>08:58  | 101012L02   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 111     | 80-126         |      | 1,2-Dichloroethane-d4  | 111     | 80-131         |      |
| Toluene-d8           | 102     | 80-120         |      | 1,4-Bromofluorobenzene | 95      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/06/10  
Work Order No: 10-10-0451  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 8 of 18

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GMW-58               | 10-10-0451-8-C    | 10/06/10 11:06      | Aqueous | GC/MS R    | 10/12/10      | 10/13/10 09:27     | 101012L02   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | 8.6    | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | 0.30   | 0.50 | 0.22 | 1  | J    |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | 4.6    | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | 0.53   | 1.0  | 0.20 | 1  | J    | n-Propylbenzene                       | 1.1    | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | 0.32   | 1.0  | 0.28 | 1  | J    | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | 0.29   | 1.0  | 0.24 | 1  | J    |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | 0.27   | 1.0  | 0.23 | 1  | J    |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | 0.94   | 1.0  | 0.37 | 1  | J    | p/m-Xylene                            | 1.9    | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 106     | 80-126         |      | 1,2-Dichloroethane-d4  | 113     | 80-131         |      |
| Toluene-d8           | 102     | 80-120         |      | 1,4-Bromofluorobenzene | 108     | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/06/10  
Work Order No: 10-10-0451  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 9 of 18

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GMW-59               | 10-10-0451-9-C    | 10/06/10 11:49      | Aqueous | GC/MS R    | 10/12/10      | 10/13/10 09:56     | 101012L02   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | 87     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | 0.67   | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | 33     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | 1.1    | 1.0  | 0.28 | 1  |      | Naphthalene                           | 4.3    | 10   | 2.5  | 1  | J    |
| sec-Butylbenzene            | 3.5    | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | 19     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | 0.94   | 1.0  | 0.28 | 1  | J    | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | 3.5    | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | 17     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 115     | 80-126         |      | 1,2-Dichloroethane-d4  | 111     | 80-131         |      |
| Toluene-d8           | 100     | 80-120         |      | 1,4-Bromofluorobenzene | 108     | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/06/10  
Work Order No: 10-10-0451  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 10 of 18

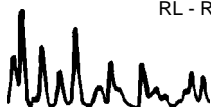
| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GMW-59dup            | 10-10-0451-10-C   | 10/06/10 00:00      | Aqueous | GC/MS R    | 10/12/10      | 10/13/10 10:25     | 101012L02   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | 93     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | 0.54   | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | 35     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | 1.2    | 1.0  | 0.28 | 1  |      | Naphthalene                           | 4.4    | 10   | 2.5  | 1  | J    |
| sec-Butylbenzene            | 4.3    | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | 20     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | 0.98   | 1.0  | 0.28 | 1  | J    | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | 3.6    | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | 21     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 115     | 80-126         |      | 1,2-Dichloroethane-d4  | 108     | 80-131         |      |
| Toluene-d8           | 102     | 80-120         |      | 1,4-Bromofluorobenzene | 106     | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/06/10  
Work Order No: 10-10-0451  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 11 of 18

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GMW-61               | 10-10-0451-11-C   | 10/06/10<br>12:33   | Aqueous | GC/MS EE   | 10/12/10      | 10/13/10<br>02:21  | 101012L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | 100    | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | 2.2    | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | 44     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | 1.6    | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | 7.4    | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | 34     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | 0.94   | 1.0  | 0.28 | 1  | J    | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | 0.49   | 0.50 | 0.33 | 1  | J    |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | 0.59   | 1.0  | 0.24 | 1  | J    |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | 1.1    | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | 1.7    | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 108     | 80-126         |      | 1,2-Dichloroethane-d4  | 101     | 80-131         |      |
| Toluene-d8           | 98      | 80-120         |      | 1,4-Bromofluorobenzene | 102     | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/06/10  
Work Order No: 10-10-0451  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 12 of 18

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GMW-60               | 10-10-0451-12-C   | 10/06/10<br>13:12   | Aqueous | GC/MS OO   | 10/12/10      | 10/12/10<br>21:57  | 101012L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | 770    | 2.5  | 1.4  | 5  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | 14     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | 85     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | 4.2    | 1.0  | 0.28 | 1  |      | Naphthalene                           | 130    | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | 11     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | 86     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | 1.4    | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | 0.34   | 1.0  | 0.24 | 1  | J    |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | 1.5    | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | 0.64   | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | 0.58   | 1.0  | 0.49 | 1  | J    | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 105     | 80-126         |      | 1,2-Dichloroethane-d4  | 108     | 80-131         |      |
| Toluene-d8           | 105     | 80-120         |      | 1,4-Bromofluorobenzene | 103     | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/06/10  
Work Order No: 10-10-0451  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 13 of 18


| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GMW-41               | 10-10-0451-13-C   | 10/06/10<br>14:10   | Aqueous | GC/MS OO   | 10/12/10      | 10/12/10<br>21:28  | 101012L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 107     | 80-126         |      | 1,2-Dichloroethane-d4  | 111     | 80-131         |      |
| Toluene-d8           | 102     | 80-120         |      | 1,4-Bromofluorobenzene | 104     | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/06/10  
Work Order No: 10-10-0451  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 14 of 18


| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| Method Blank         | 099-14-001-2,206  | N/A                 | Aqueous | GC/MS EE   | 10/11/10      | 10/11/10 14:37     | 101011L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 118     | 80-126         |      | 1,2-Dichloroethane-d4  | 128     | 80-131         |      |
| Toluene-d8           | 96      | 80-120         |      | 1,4-Bromofluorobenzene | 95      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/06/10  
Work Order No: 10-10-0451  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 15 of 18

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| Method Blank         | 099-14-001-2,218  | N/A                 | Aqueous | GC/MS OO   | 10/12/10      | 10/12/10 14:18     | 101012L01   |

Comment(s): -Results were evaluated to the MDL, concentrations  $\geq$  to the MDL but  $<$  RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 105     | 80-126         |      | 1,2-Dichloroethane-d4  | 114     | 80-131         |      |
| Toluene-d8           | 103     | 80-120         |      | 1,4-Bromofluorobenzene | 106     | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/06/10  
Work Order No: 10-10-0451  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 16 of 18

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| Method Blank         | 099-14-001-2,241  | N/A                 | Aqueous | GC/MS EE   | 10/12/10      | 10/12/10<br>23:44  | 101012L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 101     | 80-126         |      | 1,2-Dichloroethane-d4  | 100     | 80-131         |      |
| Toluene-d8           | 98      | 80-120         |      | 1,4-Bromofluorobenzene | 100     | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/06/10  
Work Order No: 10-10-0451  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 17 of 18

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| Method Blank         | 099-14-001-2,243  | N/A                 | Aqueous | GC/MS R    | 10/12/10      | 10/12/10 14:59     | 101012L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 100     | 80-126         |      | 1,2-Dichloroethane-d4  | 105     | 80-131         |      |
| Toluene-d8           | 101     | 80-120         |      | 1,4-Bromofluorobenzene | 98      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/06/10  
Work Order No: 10-10-0451  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 18 of 18

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| Method Blank         | 099-14-001-2,244  | N/A                 | Aqueous | GC/MS R    | 10/12/10      | 10/13/10 03:14     | 101012L02   |

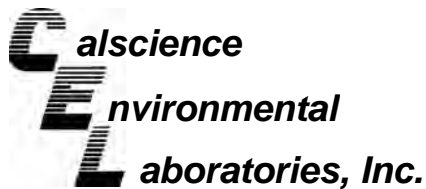
Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 106     | 80-126         |      | 1,2-Dichloroethane-d4  | 109     | 80-131         |      |
| Toluene-d8           | 106     | 80-120         |      | 1,4-Bromofluorobenzene | 100     | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





## Quality Control - Spike/Spike Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/06/10  
Work Order No: 10-10-0451  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

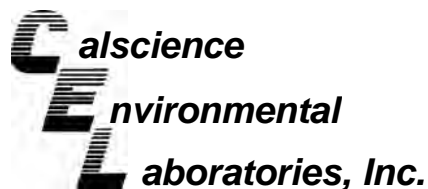
Project DFSP NORWALK GWM / 746442

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| 10-10-0709-1              | Aqueous | GC 25      | 10/11/10      | 10/11/10      | 101011S01           |

| Parameter       | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-----------------|---------|----------|---------|-----|--------|------------|
| TPH as Gasoline | 101     | 104      | 68-122  | 4   | 0-18   |            |

RPD - Relative Percent Difference , CL - Control Limit





## Quality Control - Spike/Spike Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

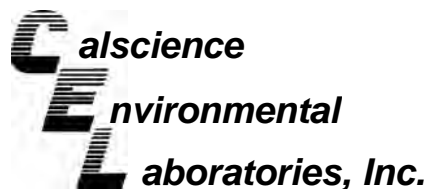
Date Received: 10/06/10  
Work Order No: 10-10-0451  
Preparation: EPA 5030C  
Method: EPA 8260B

Project DFSP NORWALK GWM / 746442

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| 10-10-0113-3              | Aqueous | GC/MS EE   | 10/11/10      | 10/11/10      | 101011S01           |

| Parameter                     | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|---------|----------|---------|-----|--------|------------|
| Benzene                       | 92      | 93       | 80-120  | 2   | 0-20   |            |
| Carbon Tetrachloride          | 110     | 109      | 55-151  | 1   | 0-20   |            |
| Chlorobenzene                 | 100     | 96       | 80-120  | 4   | 0-20   |            |
| 1,2-Dibromoethane             | 99      | 96       | 77-125  | 3   | 0-20   |            |
| 1,2-Dichlorobenzene           | 99      | 103      | 78-120  | 4   | 0-20   |            |
| 1,2-Dichloroethane            | 122     | 120      | 80-120  | 2   | 0-20   | 3          |
| 1,1-Dichloroethene            | 116     | 115      | 69-129  | 2   | 0-20   |            |
| Ethylbenzene                  | 109     | 107      | 73-127  | 2   | 0-20   |            |
| Toluene                       | 88      | 88       | 80-120  | 0   | 0-20   |            |
| Trichloroethene               | 92      | 93       | 67-133  | 1   | 0-20   |            |
| Vinyl Chloride                | 108     | 115      | 67-133  | 6   | 0-20   |            |
| Methyl-t-Butyl Ether (MTBE)   | 109     | 108      | 65-131  | 1   | 0-22   |            |
| Tert-Butyl Alcohol (TBA)      | 103     | 108      | 62-134  | 5   | 0-20   |            |
| Diisopropyl Ether (DIPE)      | 116     | 115      | 64-136  | 1   | 0-29   |            |
| Ethyl-t-Butyl Ether (ETBE)    | 110     | 110      | 70-124  | 0   | 0-20   |            |
| Tert-Amyl-Methyl Ether (TAME) | 95      | 96       | 71-125  | 1   | 0-20   |            |
| Ethanol                       | 99      | 101      | 44-152  | 2   | 0-43   |            |

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - Spike/Spike Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

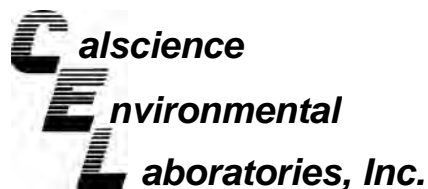
Date Received: 10/06/10  
Work Order No: 10-10-0451  
Preparation: EPA 5030C  
Method: LUFT GC/MS / EPA 8260B

Project DFSP NORWALK GWM / 746442

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| 10-10-0261-6              | Aqueous | GC/MS R    | 10/12/10      | 10/12/10      | 101012S01           |

| Parameter                     | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|---------|----------|---------|-----|--------|------------|
| Benzene                       | 113     | 100      | 80-120  | 12  | 0-20   |            |
| Carbon Tetrachloride          | 117     | 107      | 55-151  | 9   | 0-20   |            |
| Chlorobenzene                 | 102     | 97       | 80-120  | 5   | 0-20   |            |
| 1,2-Dibromoethane             | 100     | 95       | 77-125  | 5   | 0-20   |            |
| 1,2-Dichlorobenzene           | 100     | 91       | 78-120  | 10  | 0-20   |            |
| 1,2-Dichloroethane            | 117     | 112      | 80-120  | 5   | 0-20   |            |
| 1,1-Dichloroethene            | 103     | 95       | 69-129  | 8   | 0-20   |            |
| Ethylbenzene                  | 108     | 100      | 73-127  | 8   | 0-20   |            |
| Toluene                       | 114     | 105      | 80-120  | 9   | 0-20   |            |
| Trichloroethene               | 114     | 106      | 67-133  | 7   | 0-20   |            |
| Vinyl Chloride                | 103     | 101      | 67-133  | 1   | 0-20   |            |
| Methyl-t-Butyl Ether (MTBE)   | 102     | 98       | 65-131  | 3   | 0-22   |            |
| Tert-Butyl Alcohol (TBA)      | 105     | 106      | 62-134  | 1   | 0-20   |            |
| Diisopropyl Ether (DIPE)      | 97      | 91       | 64-136  | 6   | 0-29   |            |
| Ethyl-t-Butyl Ether (ETBE)    | 102     | 96       | 70-124  | 7   | 0-20   |            |
| Tert-Amyl-Methyl Ether (TAME) | 107     | 101      | 71-125  | 5   | 0-20   |            |
| Ethanol                       | 79      | 80       | 44-152  | 2   | 0-43   |            |

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - Spike/Spike Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

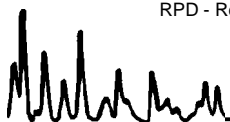
Date Received: 10/06/10  
Work Order No: 10-10-0451  
Preparation: EPA 5030C  
Method: EPA 8260B

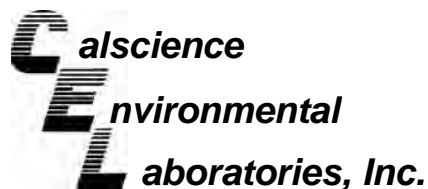
Project DFSP NORWALK GWM / 746442

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| 10-10-0920-1              | Aqueous | GC/MS EE   | 10/12/10      | 10/13/10      | 101012S01           |

| Parameter                     | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|---------|----------|---------|-----|--------|------------|
| Benzene                       | 107     | 106      | 80-120  | 0   | 0-20   |            |
| Carbon Tetrachloride          | 100     | 100      | 55-151  | 0   | 0-20   |            |
| Chlorobenzene                 | 114     | 113      | 80-120  | 1   | 0-20   |            |
| 1,2-Dibromoethane             | 112     | 110      | 77-125  | 1   | 0-20   |            |
| 1,2-Dichlorobenzene           | 113     | 112      | 78-120  | 1   | 0-20   |            |
| 1,2-Dichloroethane            | 117     | 117      | 80-120  | 0   | 0-20   |            |
| 1,1-Dichloroethene            | 107     | 105      | 69-129  | 1   | 0-20   |            |
| Ethylbenzene                  | 111     | 110      | 73-127  | 1   | 0-20   |            |
| Toluene                       | 104     | 104      | 80-120  | 0   | 0-20   |            |
| Trichloroethene               | 104     | 105      | 67-133  | 0   | 0-20   |            |
| Vinyl Chloride                | 110     | 111      | 67-133  | 1   | 0-20   |            |
| Methyl-t-Butyl Ether (MTBE)   | 108     | 108      | 65-131  | 0   | 0-22   |            |
| Tert-Butyl Alcohol (TBA)      | 72      | 64       | 62-134  | 1   | 0-20   |            |
| Diisopropyl Ether (DIPE)      | 111     | 110      | 64-136  | 1   | 0-29   |            |
| Ethyl-t-Butyl Ether (ETBE)    | 110     | 108      | 70-124  | 2   | 0-20   |            |
| Tert-Amyl-Methyl Ether (TAME) | 109     | 108      | 71-125  | 1   | 0-20   |            |
| Ethanol                       | 90      | 95       | 44-152  | 5   | 0-43   |            |

RPD - Relative Percent Difference , CL - Control Limit





## Quality Control - Spike/Spike Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

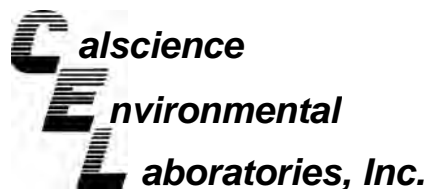
Date Received: 10/06/10  
Work Order No: 10-10-0451  
Preparation: EPA 5030C  
Method: EPA 8260B

Project DFSP NORWALK GWM / 746442

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| 10-10-0776-1              | Aqueous | GC/MS OO   | 10/12/10      | 10/12/10      | 101012S01           |

| Parameter                     | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|---------|----------|---------|-----|--------|------------|
| Benzene                       | 102     | 100      | 80-120  | 2   | 0-20   |            |
| Carbon Tetrachloride          | 107     | 104      | 55-151  | 3   | 0-20   |            |
| Chlorobenzene                 | 104     | 101      | 80-120  | 2   | 0-20   |            |
| 1,2-Dibromoethane             | 110     | 111      | 77-125  | 2   | 0-20   |            |
| 1,2-Dichlorobenzene           | 97      | 98       | 78-120  | 1   | 0-20   |            |
| 1,2-Dichloroethane            | 109     | 108      | 80-120  | 1   | 0-20   |            |
| 1,1-Dichloroethene            | 112     | 110      | 69-129  | 2   | 0-20   |            |
| Ethylbenzene                  | 107     | 105      | 73-127  | 2   | 0-20   |            |
| Toluene                       | 101     | 99       | 80-120  | 2   | 0-20   |            |
| Trichloroethene               | 104     | 101      | 67-133  | 3   | 0-20   |            |
| Vinyl Chloride                | 103     | 111      | 67-133  | 8   | 0-20   |            |
| Methyl-t-Butyl Ether (MTBE)   | 107     | 107      | 65-131  | 0   | 0-22   |            |
| Tert-Butyl Alcohol (TBA)      | 104     | 100      | 62-134  | 4   | 0-20   |            |
| Diisopropyl Ether (DIPE)      | 110     | 108      | 64-136  | 1   | 0-29   |            |
| Ethyl-t-Butyl Ether (ETBE)    | 110     | 110      | 70-124  | 0   | 0-20   |            |
| Tert-Amyl-Methyl Ether (TAME) | 101     | 99       | 71-125  | 2   | 0-20   |            |
| Ethanol                       | 109     | 104      | 44-152  | 4   | 0-43   |            |

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - Spike/Spike Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

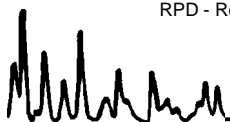
Date Received: 10/06/10  
Work Order No: 10-10-0451  
Preparation: EPA 5030C  
Method: LUFT GC/MS / EPA  
8260B

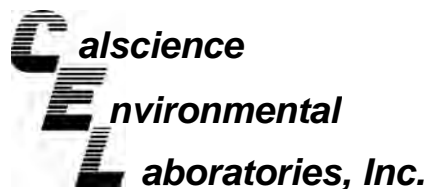
Project DFSP NORWALK GWM / 746442

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| 10-10-0675-2              | Aqueous | GC/MS R    | 10/12/10      | 10/13/10      | 101012S02           |

| Parameter                     | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|---------|----------|---------|-----|--------|------------|
| Benzene                       | 104     | 96       | 80-120  | 9   | 0-20   |            |
| Carbon Tetrachloride          | 117     | 103      | 55-151  | 12  | 0-20   |            |
| Chlorobenzene                 | 100     | 93       | 80-120  | 6   | 0-20   |            |
| 1,2-Dibromoethane             | 93      | 87       | 77-125  | 7   | 0-20   |            |
| 1,2-Dichlorobenzene           | 91      | 87       | 78-120  | 5   | 0-20   |            |
| 1,2-Dichloroethane            | 112     | 103      | 80-120  | 9   | 0-20   |            |
| 1,1-Dichloroethene            | 105     | 92       | 69-129  | 14  | 0-20   |            |
| Ethylbenzene                  | 101     | 95       | 73-127  | 7   | 0-20   |            |
| Toluene                       | 111     | 98       | 80-120  | 13  | 0-20   |            |
| Trichloroethene               | 111     | 96       | 67-133  | 15  | 0-20   |            |
| Vinyl Chloride                | 101     | 95       | 67-133  | 6   | 0-20   |            |
| Methyl-t-Butyl Ether (MTBE)   | 99      | 91       | 65-131  | 9   | 0-22   |            |
| Tert-Butyl Alcohol (TBA)      | 104     | 89       | 62-134  | 16  | 0-20   |            |
| Diisopropyl Ether (DIPE)      | 93      | 85       | 64-136  | 9   | 0-29   |            |
| Ethyl-t-Butyl Ether (ETBE)    | 99      | 88       | 70-124  | 12  | 0-20   |            |
| Tert-Amyl-Methyl Ether (TAME) | 99      | 95       | 71-125  | 4   | 0-20   |            |
| Ethanol                       | 82      | 76       | 44-152  | 8   | 0-43   |            |

RPD - Relative Percent Difference , CL - Control Limit





## Quality Control - LCS/LCS Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

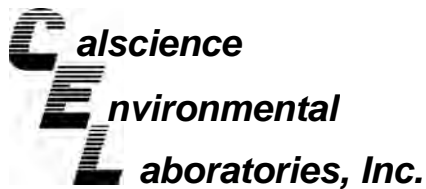
Date Received: N/A  
Work Order No: 10-10-0451  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM / 746442

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|-----------------------|
| 099-12-366-70             | Aqueous | GC 49      | 10/11/10      | 10/11/10      | 101011B15             |

| <u>Parameter</u> | <u>LCS %REC</u> | <u>LCSD %REC</u> | <u>%REC CL</u> | <u>RPD</u> | <u>RPD CL</u> | <u>Qualifiers</u> |
|------------------|-----------------|------------------|----------------|------------|---------------|-------------------|
| TPH as JP5       | 100             | 100              | 75-117         | 0          | 0-13          |                   |

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - LCS/LCS Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

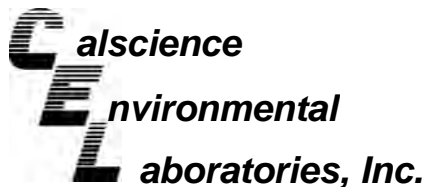
Date Received: N/A  
Work Order No: 10-10-0451  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM / 746442

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|-----------------------|
| 099-12-247-4,555          | Aqueous | GC 25      | 10/11/10      | 10/11/10      | 101011B01             |

| Parameter       | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-----------------|----------|-----------|---------|-----|--------|------------|
| TPH as Gasoline | 103      | 105       | 78-120  | 2   | 0-10   |            |

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - LCS/LCS Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: N/A  
Work Order No: 10-10-0451  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: DFSP NORWALK GWM / 746442

| Quality Control Sample ID     | Matrix   | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |        |            |
|-------------------------------|----------|------------|---------------|---------------|-----------------------|--------|------------|
| 099-14-001-2,206              | Aqueous  | GC/MS EE   | 10/11/10      | 10/11/10      | 101011L01             |        |            |
| Parameter                     | LCS %REC | LCSD %REC  | %REC CL       | ME CL         | RPD                   | RPD CL | Qualifiers |
| Benzene                       | 94       | 95         | 80-120        | 73-127        | 2                     | 0-20   |            |
| Carbon Tetrachloride          | 106      | 109        | 67-139        | 55-151        | 2                     | 0-22   |            |
| Chlorobenzene                 | 96       | 98         | 80-120        | 73-127        | 2                     | 0-20   |            |
| 1,2-Dibromoethane             | 96       | 100        | 80-120        | 73-127        | 5                     | 0-20   |            |
| 1,2-Dichlorobenzene           | 100      | 103        | 79-120        | 72-127        | 3                     | 0-20   |            |
| 1,2-Dichloroethane            | 117      | 121        | 80-120        | 73-127        | 3                     | 0-20   | ME         |
| 1,1-Dichloroethene            | 114      | 117        | 71-125        | 62-134        | 3                     | 0-25   |            |
| Ethylbenzene                  | 108      | 107        | 80-123        | 73-130        | 0                     | 0-20   |            |
| Toluene                       | 88       | 90         | 80-120        | 73-127        | 2                     | 0-20   |            |
| Trichloroethene               | 94       | 97         | 80-120        | 73-127        | 3                     | 0-20   |            |
| Vinyl Chloride                | 109      | 112        | 68-140        | 56-152        | 3                     | 0-23   |            |
| Methyl-t-Butyl Ether (MTBE)   | 105      | 109        | 75-123        | 67-131        | 3                     | 0-25   |            |
| Tert-Butyl Alcohol (TBA)      | 108      | 104        | 72-126        | 63-135        | 3                     | 0-20   |            |
| Diisopropyl Ether (DIPE)      | 115      | 118        | 75-129        | 66-138        | 2                     | 0-22   |            |
| Ethyl-t-Butyl Ether (ETBE)    | 108      | 111        | 76-124        | 68-132        | 3                     | 0-20   |            |
| Tert-Amyl-Methyl Ether (TAME) | 95       | 96         | 79-121        | 72-128        | 1                     | 0-20   |            |
| Ethanol                       | 104      | 105        | 53-143        | 38-158        | 0                     | 0-25   |            |

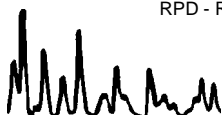
Total number of LCS compounds : 17

Total number of ME compounds : 1

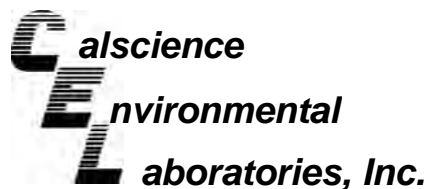
Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit







## Quality Control - LCS/LCS Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: N/A  
Work Order No: 10-10-0451  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: DFSP NORWALK GWM / 746442

| Quality Control Sample ID     | Matrix         | Instrument     | Date Prepared   | Date Analyzed   | LCS/LCSD Batch Number |        |            |
|-------------------------------|----------------|----------------|-----------------|-----------------|-----------------------|--------|------------|
| <b>099-14-001-2,243</b>       | <b>Aqueous</b> | <b>GC/MS R</b> | <b>10/12/10</b> | <b>10/12/10</b> | <b>101012L01</b>      |        |            |
| Parameter                     | LCS %REC       | LCSD %REC      | %REC CL         | ME CL           | RPD                   | RPD CL | Qualifiers |
| Benzene                       | 97             | 101            | 80-120          | 73-127          | 4                     | 0-20   |            |
| Carbon Tetrachloride          | 109            | 112            | 67-139          | 55-151          | 2                     | 0-22   |            |
| Chlorobenzene                 | 97             | 94             | 80-120          | 73-127          | 4                     | 0-20   |            |
| 1,2-Dibromoethane             | 92             | 88             | 80-120          | 73-127          | 4                     | 0-20   |            |
| 1,2-Dichlorobenzene           | 94             | 90             | 79-120          | 72-127          | 4                     | 0-20   |            |
| 1,2-Dichloroethane            | 106            | 107            | 80-120          | 73-127          | 0                     | 0-20   |            |
| 1,1-Dichloroethene            | 95             | 98             | 71-125          | 62-134          | 4                     | 0-25   |            |
| Ethylbenzene                  | 100            | 97             | 80-123          | 73-130          | 3                     | 0-20   |            |
| Toluene                       | 104            | 102            | 80-120          | 73-127          | 2                     | 0-20   |            |
| Trichloroethene               | 103            | 102            | 80-120          | 73-127          | 1                     | 0-20   |            |
| Vinyl Chloride                | 97             | 101            | 68-140          | 56-152          | 4                     | 0-23   |            |
| Methyl-t-Butyl Ether (MTBE)   | 79             | 81             | 75-123          | 67-131          | 2                     | 0-25   |            |
| Tert-Butyl Alcohol (TBA)      | 107            | 106            | 72-126          | 63-135          | 1                     | 0-20   |            |
| Diisopropyl Ether (DIPE)      | 79             | 72             | 75-129          | 66-138          | 9                     | 0-22   | ME         |
| Ethyl-t-Butyl Ether (ETBE)    | 93             | 95             | 76-124          | 68-132          | 2                     | 0-20   |            |
| Tert-Amyl-Methyl Ether (TAME) | 97             | 97             | 79-121          | 72-128          | 1                     | 0-20   |            |
| Ethanol                       | 67             | 75             | 53-143          | 38-158          | 12                    | 0-25   |            |

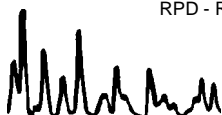
Total number of LCS compounds : 17

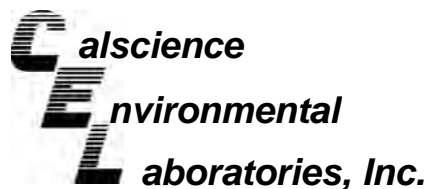
Total number of ME compounds : 1

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





## Quality Control - LCS/LCS Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: N/A  
Work Order No: 10-10-0451  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: DFSP NORWALK GWM / 746442

| Quality Control Sample ID     | Matrix   | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |        |            |
|-------------------------------|----------|------------|---------------|---------------|-----------------------|--------|------------|
| 099-14-001-2,241              | Aqueous  | GC/MS EE   | 10/12/10      | 10/12/10      | 101012L01             |        |            |
| Parameter                     | LCS %REC | LCSD %REC  | %REC CL       | ME CL         | RPD                   | RPD CL | Qualifiers |
| Benzene                       | 102      | 101        | 80-120        | 73-127        | 1                     | 0-20   |            |
| Carbon Tetrachloride          | 100      | 99         | 67-139        | 55-151        | 1                     | 0-22   |            |
| Chlorobenzene                 | 105      | 107        | 80-120        | 73-127        | 2                     | 0-20   |            |
| 1,2-Dibromoethane             | 103      | 106        | 80-120        | 73-127        | 3                     | 0-20   |            |
| 1,2-Dichlorobenzene           | 107      | 107        | 79-120        | 72-127        | 0                     | 0-20   |            |
| 1,2-Dichloroethane            | 109      | 109        | 80-120        | 73-127        | 0                     | 0-20   |            |
| 1,1-Dichloroethene            | 101      | 103        | 71-125        | 62-134        | 2                     | 0-25   |            |
| Ethylbenzene                  | 104      | 106        | 80-123        | 73-130        | 2                     | 0-20   |            |
| Toluene                       | 100      | 99         | 80-120        | 73-127        | 1                     | 0-20   |            |
| Trichloroethene               | 98       | 98         | 80-120        | 73-127        | 0                     | 0-20   |            |
| Vinyl Chloride                | 105      | 105        | 68-140        | 56-152        | 0                     | 0-23   |            |
| Methyl-t-Butyl Ether (MTBE)   | 104      | 104        | 75-123        | 67-131        | 0                     | 0-25   |            |
| Tert-Butyl Alcohol (TBA)      | 94       | 90         | 72-126        | 63-135        | 4                     | 0-20   |            |
| Diisopropyl Ether (DIPE)      | 106      | 107        | 75-129        | 66-138        | 1                     | 0-22   |            |
| Ethyl-t-Butyl Ether (ETBE)    | 107      | 106        | 76-124        | 68-132        | 1                     | 0-20   |            |
| Tert-Amyl-Methyl Ether (TAME) | 104      | 105        | 79-121        | 72-128        | 0                     | 0-20   |            |
| Ethanol                       | 98       | 93         | 53-143        | 38-158        | 5                     | 0-25   |            |

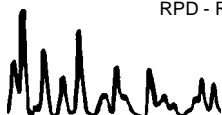
Total number of LCS compounds : 17

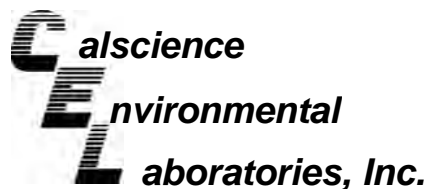
Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





## Quality Control - LCS/LCS Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: N/A  
Work Order No: 10-10-0451  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: DFSP NORWALK GWM / 746442

| Quality Control Sample ID     | Matrix   | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |        |            |
|-------------------------------|----------|------------|---------------|---------------|-----------------------|--------|------------|
| 099-14-001-2,218              | Aqueous  | GC/MS OO   | 10/12/10      | 10/12/10      | 101012L01             |        |            |
| Parameter                     | LCS %REC | LCSD %REC  | %REC CL       | ME CL         | RPD                   | RPD CL | Qualifiers |
| Benzene                       | 103      | 103        | 80-120        | 73-127        | 0                     | 0-20   |            |
| Carbon Tetrachloride          | 110      | 111        | 67-139        | 55-151        | 1                     | 0-22   |            |
| Chlorobenzene                 | 103      | 102        | 80-120        | 73-127        | 1                     | 0-20   |            |
| 1,2-Dibromoethane             | 118      | 116        | 80-120        | 73-127        | 2                     | 0-20   |            |
| 1,2-Dichlorobenzene           | 97       | 99         | 79-120        | 72-127        | 3                     | 0-20   |            |
| 1,2-Dichloroethane            | 111      | 112        | 80-120        | 73-127        | 1                     | 0-20   |            |
| 1,1-Dichloroethene            | 111      | 113        | 71-125        | 62-134        | 2                     | 0-25   |            |
| Ethylbenzene                  | 107      | 109        | 80-123        | 73-130        | 1                     | 0-20   |            |
| Toluene                       | 103      | 103        | 80-120        | 73-127        | 0                     | 0-20   |            |
| Trichloroethene               | 104      | 107        | 80-120        | 73-127        | 3                     | 0-20   |            |
| Vinyl Chloride                | 114      | 115        | 68-140        | 56-152        | 1                     | 0-23   |            |
| Methyl-t-Butyl Ether (MTBE)   | 111      | 112        | 75-123        | 67-131        | 1                     | 0-25   |            |
| Tert-Butyl Alcohol (TBA)      | 102      | 104        | 72-126        | 63-135        | 2                     | 0-20   |            |
| Diisopropyl Ether (DIPE)      | 109      | 111        | 75-129        | 66-138        | 2                     | 0-22   |            |
| Ethyl-t-Butyl Ether (ETBE)    | 112      | 115        | 76-124        | 68-132        | 2                     | 0-20   |            |
| Tert-Amyl-Methyl Ether (TAME) | 104      | 105        | 79-121        | 72-128        | 1                     | 0-20   |            |
| Ethanol                       | 109      | 112        | 53-143        | 38-158        | 3                     | 0-25   |            |

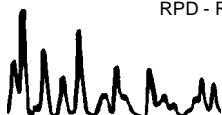
Total number of LCS compounds : 17

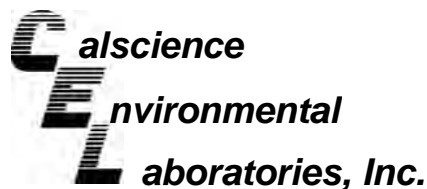
Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





## Quality Control - LCS/LCS Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: N/A  
Work Order No: 10-10-0451  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: DFSP NORWALK GWM / 746442

| Quality Control Sample ID     | Matrix         | Instrument     | Date Prepared   | Date Analyzed   | LCS/LCSD Batch Number |        |            |
|-------------------------------|----------------|----------------|-----------------|-----------------|-----------------------|--------|------------|
| <b>099-14-001-2,244</b>       | <b>Aqueous</b> | <b>GC/MS R</b> | <b>10/12/10</b> | <b>10/13/10</b> | <b>101012L02</b>      |        |            |
| Parameter                     | LCS %REC       | LCSD %REC      | %REC CL         | ME CL           | RPD                   | RPD CL | Qualifiers |
| Benzene                       | 94             | 108            | 80-120          | 73-127          | 14                    | 0-20   |            |
| Carbon Tetrachloride          | 105            | 118            | 67-139          | 55-151          | 12                    | 0-22   |            |
| Chlorobenzene                 | 89             | 106            | 80-120          | 73-127          | 17                    | 0-20   |            |
| 1,2-Dibromoethane             | 86             | 107            | 80-120          | 73-127          | 21                    | 0-20   | X          |
| 1,2-Dichlorobenzene           | 86             | 101            | 79-120          | 72-127          | 17                    | 0-20   |            |
| 1,2-Dichloroethane            | 105            | 120            | 80-120          | 73-127          | 14                    | 0-20   |            |
| 1,1-Dichloroethene            | 91             | 104            | 71-125          | 62-134          | 13                    | 0-25   |            |
| Ethylbenzene                  | 91             | 109            | 80-123          | 73-130          | 18                    | 0-20   |            |
| Toluene                       | 99             | 112            | 80-120          | 73-127          | 13                    | 0-20   |            |
| Trichloroethene               | 99             | 111            | 80-120          | 73-127          | 12                    | 0-20   |            |
| Vinyl Chloride                | 96             | 108            | 68-140          | 56-152          | 12                    | 0-23   |            |
| Methyl-t-Butyl Ether (MTBE)   | 79             | 88             | 75-123          | 67-131          | 10                    | 0-25   |            |
| Tert-Butyl Alcohol (TBA)      | 104            | 103            | 72-126          | 63-135          | 1                     | 0-20   |            |
| Diisopropyl Ether (DIPE)      | 89             | 85             | 75-129          | 66-138          | 4                     | 0-22   |            |
| Ethyl-t-Butyl Ether (ETBE)    | 90             | 105            | 76-124          | 68-132          | 16                    | 0-20   |            |
| Tert-Amyl-Methyl Ether (TAME) | 93             | 108            | 79-121          | 72-128          | 15                    | 0-20   |            |
| Ethanol                       | 87             | 89             | 53-143          | 38-158          | 3                     | 0-25   |            |

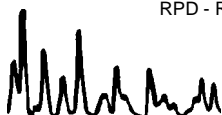
Total number of LCS compounds : 17

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

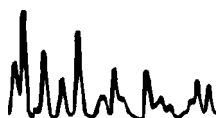


## Glossary of Terms and Qualifiers



Work Order Number: 10-10-0451

| <u>Qualifier</u> | <u>Definition</u>  |
|------------------|--|
| *                | See applicable analysis comment.   |
| <                | Less than the indicated value.   |
| >                | Greater than the indicated value.  |
| 1                | Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.   |
| 2                | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.                             |
| 3                | Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.    |
| 4                | The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.  |
| 5                | The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification. |
| B                | Analyte was present in the associated method blank.  |
| E                | Concentration exceeds the calibration range.   |
| J                | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.  |
| ME               | LCS Recovery Percentage is within LCS ME Control Limit range.  |
| ND               | Parameter not detected at the indicated reporting limit.   |
| Q                | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.  |
| X                | % Recovery and/or RPD out-of-range.  |
| Z                | Analyte presence was not confirmed by second column or GC/MS analysis.<br>Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.   |



SoCal Laboratory  
7440 Lincoln Way  
Garden Grove, CA 92841-1427  
(714) 895-5494

NorCal Service Center  
5063 Commercial Circle, Suite H  
Concord, CA 94520-8577  
(925) 689-9022

Date 10/6/10  
Page 1 of 2

LABORATORY CLIENT: **PARSONS** P.O. NO.:

ADDRESS: 100 W. WALNUT ST

CITY: PASADENA STATE: CA. ZIP: 91124

TEL: 626-4410 E-MAIL: MARY.LUCAS@PARSONS.COM

TURNAROUND TIME:  SAME DAY  24 HR  48 HR  STANDARD

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)  
 RWQCB REPORTING FORMS  COELT EDF

SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NUMBER: 7416442 DFP Norwalk

PROJECT CONTACT: MARY LUCAS

SAMPLER(S): (PRINT) M. Hansen

COELT LOG CODE:

LAB USE ONLY:   -

COOLER RECEIPT:

TEMP =  °C

| LAB USE ONLY | SAMPLE ID  | FIELD POINT NAME (FOR COELT EDF) | SAMPLING |      | MATRIX | NO. OF CONT. | REQUESTED ANALYSES |                                 |                     |                           |                                     |                   |                    |              |                    |             |                        |                         |                                 |                          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------|------------|----------------------------------|----------|------|--------|--------------|--------------------|---------------------------------|---------------------|---------------------------|-------------------------------------|-------------------|--------------------|--------------|--------------------|-------------|------------------------|-------------------------|---------------------------------|--------------------------|-----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|              |            |                                  | DATE     | TIME |        |              | TPH (g) by GC/MS   | TPH (d) or (C6-C36) or (C6-C44) | TPH (ASAP by GC/MS) | BTEX / MTBE (826B) or ( ) | VOCS (826B) <i>include MTK, TSA</i> | Oxygenates (826B) | Encore Prep (5035) | SVOCs (827C) | Pesticides (8081A) | PCBs (8082) | PnAs (8310) or (8270C) | T22 Metals (6010B/747X) | Cr(VI) [7196A or 7199 or 218.6] | VOCS (TO-14A) or (TO-15) | TPH (g) [TO-3]+ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1            | TRB3       |                                  | 10/6/10  | 0730 | W      | 2            | X                  | X                               |                     |                           |                                     |                   |                    |              |                    |             |                        |                         |                                 |                          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2            | GMW-47     |                                  |          | 0744 | W      | 4            | X                  | X                               |                     |                           |                                     |                   |                    |              |                    |             |                        |                         |                                 |                          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3            | GMW-57     |                                  |          | 0827 | W      | 4            | X                  | X                               |                     |                           |                                     |                   |                    |              |                    |             |                        |                         |                                 |                          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4            | GMW-57 dup |                                  |          | -    | W      | 4            | X                  | X                               |                     |                           |                                     |                   |                    |              |                    |             |                        |                         |                                 |                          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5            | MW-13      |                                  |          | 0906 | W      | 4            | X                  | X                               |                     |                           |                                     |                   |                    |              |                    |             |                        |                         |                                 |                          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6            | GMW-66     |                                  |          | 0943 | W      | 4            | X                  | X                               |                     |                           |                                     |                   |                    |              |                    |             |                        |                         |                                 |                          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7            | MW-17      |                                  |          | 1024 | W      | 4            | X                  | X                               |                     |                           |                                     |                   |                    |              |                    |             |                        |                         |                                 |                          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8            | GMW-58     |                                  |          | 1106 | W      | 4            | X                  | X                               |                     |                           |                                     |                   |                    |              |                    |             |                        |                         |                                 |                          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9            | GMW-59     |                                  |          | 1149 | W      | 7            | X                  | X                               |                     |                           |                                     |                   |                    |              |                    |             |                        |                         |                                 |                          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10           | GMW-59 dup |                                  | 10/6/10  | -    | W      | 4            | X                  | X                               |                     |                           |                                     |                   |                    |              |                    |             |                        |                         |                                 |                          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Relinquished by: (Signature) M. Hansen Date: 10/6/10 Time: 1530

Relinquished by: (Signature) S. Custodian Date: 10/6/10 Time: 1600

Relinquished by: (Signature) Alex Mengo Date: 10/6/10 Time: 1711



Calscience Environmental Laboratories, Inc.

SoCal Laboratory 7440 Lincoln Way Garden Grove, CA 92841-1427 (714) 895-5494

NorCal Service Center 5063 Commercial Circle, Suite H Concord, CA 94520-8577 (925) 689-9022

CHAIN OF CUSTODY RECORD

Date 10/6/10

Page 2 of 2

LABORATORY CLIENT: **PARSONS**

ADDRESS: 100 W. WALNUT ST. CITY: PASADENA STATE: CA. ZIP: 91221

TEL: (661) 440-4490 E-MAIL: MARY.LUCAS@PARSONS.COM

TURNAROUND TIME:  SAME DAY  24 HR  48 HR  72 HR  STANDARD

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)  RWQCB REPORTING FORMS  COELT EDF

SPECIAL INSTRUCTIONS:

---

| LAB USE ONLY | SAMPLE ID | FIELD POINT NAME (FOR COELT EDF) | SAMPLING |      | MATRIX | NO. OF CONT. | TPH (g) by SOK | TPH (d) or (C6-C36) or (C6-C44) | TPH (ASIPRS by SOK) | BTEX / MTBE (8260B) or ( ) include 8260B, BTEX, MTBE, TBA | Oxygenates (8260B) | Encore Prep (5035) | SVOCs (8270C) | Pesticides (8081A) | PCBs (8082) | PNAs (8310) or (8270C) | T22 Metals (6010B/747X) | Cr(VI) [7196A or 7199 or 218.6] | VOCs (TO-14A) or (TO-15) | TPH (g) [TO-3]+ |  |
|--------------|-----------|----------------------------------|----------|------|--------|--------------|----------------|---------------------------------|---------------------|---|--------------------|--------------------|---------------|--------------------|-------------|------------------------|-------------------------|---------------------------------|--------------------------|-----------------|--|
|              |           |                                  | DATE     | TIME |        |              |                |                                 |                     |   |                    |                    |               |                    |             |                        |                         |                                 |                          |                 |  |
|              | GMW-61    |                                  | 10/6/10  | 1233 | W      | 7            | X              |                                 |                     |   |                    |                    |               |                    |             |                        |                         |                                 |                          |                 |  |
|              | GMW-60    |                                  | 10/6/10  | 1312 | W      | 7            | X              |                                 |                     |   |                    |                    |               |                    |             |                        |                         |                                 |                          |                 |  |
|              | GMW-41    |                                  | 10/6/10  | 1410 | W      | 4            | X              |                                 |                     |   |                    |                    |               |                    |             |                        |                         |                                 |                          |                 |  |

REQUESTED ANALYSES

CLIENT PROJECT NAME / NUMBER: 741642 DFSP Norwalk

PROJECT CONTACT: MARY LUCAS

SAMPLER(S): (PRINT) M. HENGE

LAB USE ONLY:  COELT LOG CODE:     COOLER RECEIPT:     TEMP= °C

RELINQUISHED BY (SIGNATURE): M. Henge

RECEIVED BY (SIGNATURE/AFFILIATION): S. S. PEDIAN

RELINQUISHED BY (SIGNATURE): M. Henge

RECEIVED BY (SIGNATURE/AFFILIATION): C. J. ...

RELINQUISHED BY (SIGNATURE): M. Henge

RECEIVED BY (SIGNATURE/AFFILIATION): M. J. ...

RELINQUISHED BY (SIGNATURE): M. Henge

RECEIVED BY (SIGNATURE/AFFILIATION): M. J. ...

RELINQUISHED BY (SIGNATURE): M. Henge

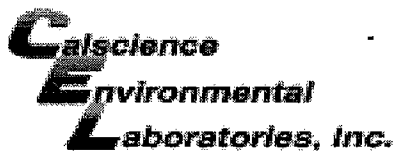
RECEIVED BY (SIGNATURE/AFFILIATION): M. J. ...

RELINQUISHED BY (SIGNATURE): M. Henge

RECEIVED BY (SIGNATURE/AFFILIATION): M. J. ...

RELINQUISHED BY (SIGNATURE): M. Henge

RECEIVED BY (SIGNATURE/AFFILIATION): M. J. ...



WORK ORDER #: 10-10-0451

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: PARSONS

DATE: 10/6/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0°C - 6.0°C, not frozen)

Temperature 3.0 °C + 0.5°C (CF) = 3.5 °C [X] Blank [ ] Sample

- [ ] Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_).
[ ] Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

[ ] Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: [ ] Air [ ] Filter

Initial: AM

CUSTODY SEALS INTACT:

- [ ] Cooler [ ] \_\_\_\_\_ [ ] No (Not Intact) [X] Not Present [ ] N/A
[ ] Sample [ ] \_\_\_\_\_ [ ] No (Not Intact) [X] Not Present

Initial: AM

Initial: KM

SAMPLE CONDITION:

Table with 4 columns: Condition, Yes, No, N/A. Rows include Chain-Of-Custody (COC) document(s) received with samples, COG document(s) received complete, Sampler's name indicated on COC, etc.

CONTAINER TYPE:

- Solid: [ ] 4ozCGJ [ ] 8ozCGJ [ ] 16ozCGJ [ ] Sleeve (\_\_\_\_) [ ] EnCores® [ ] TerraCores® [ ] \_\_\_\_\_
Water: [ ] VOA [X] VOAh [ ] VOAna2 [ ] 125AGB [ ] 125AGBh [ ] 125AGBp [ ] 1AGB [ ] 1AGBna2 [ ] 1AGBs
[ ] 500AGB [X] 500AGJ [ ] 500AGJs [ ] 250AGB [ ] 250CGB [ ] 250CGBs [ ] 1PB [ ] 500PB [ ] 500PBna
[ ] 250PB [ ] 250PBn [ ] 125PB [ ] 125PBzanna [ ] 100PJ [ ] 100PJna2 [ ] \_\_\_\_\_ [ ] \_\_\_\_\_ [ ] \_\_\_\_\_

Air: [ ] Tedlar® [ ] Summa® Other: [ ] \_\_\_\_\_ Trip Blank Lot#: 100930A Labeled/Checked by: KM
Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: TN
Preservative: h: HCL n: HNO3 na2: Na2S2O3 na: NaOH p: H3PO4 s: H2SO4 zanna: ZnAc2+NaOH f: Field-filtered Scanned by: TN





October 14, 2010

Mary Lucas  
Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Subject: **CalScience Work Order No.: 10-10-0581**  
**Client Reference: DFSP NORWALK GWM / 746442**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 10/7/2010 and analyzed in accordance with the attached chain-of-custody.

CalScience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analysis, if any, is provided herein, and follows the standard CalScience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink that reads 'Ranjit K. F. Clarke'.

CalScience Environmental  
Laboratories, Inc.  
Ranjit Clarke  
Project Manager

## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/10  
Work Order No: 10-10-0581  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM / 746442

Page 1 of 4

| Client Sample Number | Lab Sample Number     | Date/Time Collected       | Matrix         | Instrument   | Date Prepared   | Date/Time Analyzed        | QC Batch ID      |
|----------------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| <b>MW-16</b>         | <b>10-10-0581-2-D</b> | <b>10/07/10<br/>07:38</b> | <b>Aqueous</b> | <b>GC 49</b> | <b>10/11/10</b> | <b>10/12/10<br/>15:05</b> | <b>101011B16</b> |

| <u>Parameter</u>   | <u>Result</u>  | <u>RL</u>             | <u>DF</u> | <u>Qual</u> | <u>Units</u> |
|--------------------|----------------|-----------------------|-----------|-------------|--------------|
| TPH as JP5         | ND             | 100                   | 1         |             | ug/L         |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> |           | <u>Qual</u> |              |
| Decachlorobiphenyl | 106            | 68-140                |           |             |              |

|               |                       |                           |                |              |                 |                           |                  |
|---------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| <b>GMW-32</b> | <b>10-10-0581-3-D</b> | <b>10/07/10<br/>08:11</b> | <b>Aqueous</b> | <b>GC 49</b> | <b>10/11/10</b> | <b>10/12/10<br/>15:19</b> | <b>101011B16</b> |
|---------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

| <u>Parameter</u>   | <u>Result</u>  | <u>RL</u>             | <u>DF</u> | <u>Qual</u> | <u>Units</u> |
|--------------------|----------------|-----------------------|-----------|-------------|--------------|
| TPH as JP5         | 180            | 100                   | 1         |             | ug/L         |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> |           | <u>Qual</u> |              |
| Decachlorobiphenyl | 93             | 68-140                |           |             |              |

|                   |                       |                           |                |              |                 |                           |                  |
|-------------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| <b>GMW-32 dup</b> | <b>10-10-0581-4-D</b> | <b>10/07/10<br/>00:00</b> | <b>Aqueous</b> | <b>GC 49</b> | <b>10/11/10</b> | <b>10/12/10<br/>15:34</b> | <b>101011B16</b> |
|-------------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

| <u>Parameter</u>   | <u>Result</u>  | <u>RL</u>             | <u>DF</u> | <u>Qual</u> | <u>Units</u> |
|--------------------|----------------|-----------------------|-----------|-------------|--------------|
| TPH as JP5         | 210            | 100                   | 1         |             | ug/L         |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> |           | <u>Qual</u> |              |
| Decachlorobiphenyl | 112            | 68-140                |           |             |              |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/10  
Work Order No: 10-10-0581  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM / 746442

Page 2 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| WCW-6                | 10-10-0581-5-D    | 10/07/10<br>08:58   | Aqueous | GC 49      | 10/11/10      | 10/12/10<br>15:49  | 101011B16   |

| Parameter          | Result  | RL             | DF | Qual | Units |
|--------------------|---------|----------------|----|------|-------|
| TPH as JP5         | ND      | 100            | 1  |      | ug/L  |
| Surrogates:        | REC (%) | Control Limits |    | Qual |       |
| Decachlorobiphenyl | 112     | 68-140         |    |      |       |

|       |                |                   |         |       |          |                   |           |
|-------|----------------|-------------------|---------|-------|----------|-------------------|-----------|
| WCW-2 | 10-10-0581-6-D | 10/07/10<br>09:29 | Aqueous | GC 49 | 10/11/10 | 10/12/10<br>16:03 | 101011B16 |
|-------|----------------|-------------------|---------|-------|----------|-------------------|-----------|

| Parameter          | Result  | RL             | DF | Qual | Units |
|--------------------|---------|----------------|----|------|-------|
| TPH as JP5         | ND      | 100            | 1  |      | ug/L  |
| Surrogates:        | REC (%) | Control Limits |    | Qual |       |
| Decachlorobiphenyl | 106     | 68-140         |    |      |       |

|        |                |                   |         |       |          |                   |           |
|--------|----------------|-------------------|---------|-------|----------|-------------------|-----------|
| WCW-12 | 10-10-0581-7-D | 10/07/10<br>10:07 | Aqueous | GC 49 | 10/11/10 | 10/12/10<br>16:18 | 101011B16 |
|--------|----------------|-------------------|---------|-------|----------|-------------------|-----------|

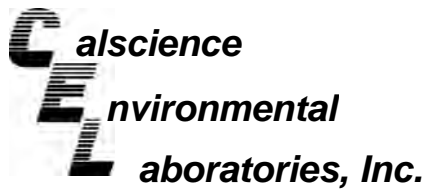
| Parameter          | Result  | RL             | DF | Qual | Units |
|--------------------|---------|----------------|----|------|-------|
| TPH as JP5         | ND      | 100            | 1  |      | ug/L  |
| Surrogates:        | REC (%) | Control Limits |    | Qual |       |
| Decachlorobiphenyl | 103     | 68-140         |    |      |       |

|       |                |                   |         |       |          |                   |           |
|-------|----------------|-------------------|---------|-------|----------|-------------------|-----------|
| WCW-4 | 10-10-0581-8-D | 10/07/10<br>10:49 | Aqueous | GC 49 | 10/11/10 | 10/12/10<br>17:38 | 101011B16 |
|-------|----------------|-------------------|---------|-------|----------|-------------------|-----------|

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

| Parameter          | Result  | RL             | DF | Qual | Units |
|--------------------|---------|----------------|----|------|-------|
| TPH as JP5         | 130     | 100            | 1  |      | ug/L  |
| Surrogates:        | REC (%) | Control Limits |    | Qual |       |
| Decachlorobiphenyl | 105     | 68-140         |    |      |       |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/10  
Work Order No: 10-10-0581  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM / 746442

Page 3 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| WCW-14               | 10-10-0581-9-D    | 10/07/10<br>11:27   | Aqueous | GC 49      | 10/11/10      | 10/12/10<br>17:52  | 101011B16   |

| Parameter          | Result  | RL             | DF | Qual | Units |
|--------------------|---------|----------------|----|------|-------|
| TPH as JP5         | ND      | 100            | 1  |      | ug/L  |
| Surrogates:        | REC (%) | Control Limits |    | Qual |       |
| Decachlorobiphenyl | 105     | 68-140         |    |      |       |

|       |                 |                   |         |       |          |                   |           |
|-------|-----------------|-------------------|---------|-------|----------|-------------------|-----------|
| WCW-8 | 10-10-0581-10-D | 10/07/10<br>12:18 | Aqueous | GC 49 | 10/11/10 | 10/12/10<br>18:07 | 101011B16 |
|-------|-----------------|-------------------|---------|-------|----------|-------------------|-----------|

| Parameter          | Result  | RL             | DF | Qual | Units |
|--------------------|---------|----------------|----|------|-------|
| TPH as JP5         | 200     | 100            | 1  |      | ug/L  |
| Surrogates:        | REC (%) | Control Limits |    | Qual |       |
| Decachlorobiphenyl | 94      | 68-140         |    |      |       |

|       |                 |                   |         |       |          |                   |           |
|-------|-----------------|-------------------|---------|-------|----------|-------------------|-----------|
| WCW-5 | 10-10-0581-11-D | 10/07/10<br>12:52 | Aqueous | GC 49 | 10/11/10 | 10/12/10<br>18:22 | 101011B16 |
|-------|-----------------|-------------------|---------|-------|----------|-------------------|-----------|

| Parameter          | Result  | RL             | DF | Qual | Units |
|--------------------|---------|----------------|----|------|-------|
| TPH as JP5         | ND      | 100            | 1  |      | ug/L  |
| Surrogates:        | REC (%) | Control Limits |    | Qual |       |
| Decachlorobiphenyl | 128     | 68-140         |    |      |       |

|        |                 |                   |         |       |          |                   |           |
|--------|-----------------|-------------------|---------|-------|----------|-------------------|-----------|
| GMW-45 | 10-10-0581-12-D | 10/07/10<br>14:20 | Aqueous | GC 49 | 10/11/10 | 10/12/10<br>18:51 | 101011B16 |
|--------|-----------------|-------------------|---------|-------|----------|-------------------|-----------|

| Parameter          | Result  | RL             | DF | Qual | Units |
|--------------------|---------|----------------|----|------|-------|
| TPH as JP5         | 1400    | 100            | 1  |      | ug/L  |
| Surrogates:        | REC (%) | Control Limits |    | Qual |       |
| Decachlorobiphenyl | 119     | 68-140         |    |      |       |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/10  
Work Order No: 10-10-0581  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

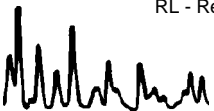
Project: DFSP NORWALK GWM / 746442

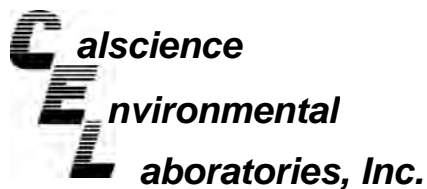
Page 4 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| Method Blank         | 099-12-366-71     | N/A                 | Aqueous | GC 49      | 10/11/10      | 10/12/10<br>14:20  | 101011B16   |

| <u>Parameter</u>   | <u>Result</u>  | <u>RL</u>             | <u>DF</u> | <u>Qual</u> | <u>Units</u> |
|--------------------|----------------|-----------------------|-----------|-------------|--------------|
| TPH as JP5         | ND             | 100                   | 1         |             | ug/L         |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> |           | <u>Qual</u> |              |
| Decachlorobiphenyl | 102            | 68-140                |           |             |              |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/10  
Work Order No: 10-10-0581  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM / 746442

Page 1 of 2

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| WCW-6                | 10-10-0581-5-G    | 10/07/10<br>08:58   | Aqueous | GC 5       | 10/08/10      | 10/08/10<br>17:31  | 101008B01   |

| Parameter              | Result  | RL             | DF | Qual | Units |
|------------------------|---------|----------------|----|------|-------|
| TPH as Gasoline        | ND      | 100            | 1  |      | ug/L  |
| Surrogates:            | REC (%) | Control Limits |    | Qual |       |
| 1,4-Bromofluorobenzene | 85      | 38-134         |    |      |       |

|       |                |                   |         |      |          |                   |           |
|-------|----------------|-------------------|---------|------|----------|-------------------|-----------|
| WCW-2 | 10-10-0581-6-E | 10/07/10<br>09:29 | Aqueous | GC 5 | 10/08/10 | 10/08/10<br>15:53 | 101008B01 |
|-------|----------------|-------------------|---------|------|----------|-------------------|-----------|

| Parameter              | Result  | RL             | DF | Qual | Units |
|------------------------|---------|----------------|----|------|-------|
| TPH as Gasoline        | ND      | 100            | 1  |      | ug/L  |
| Surrogates:            | REC (%) | Control Limits |    | Qual |       |
| 1,4-Bromofluorobenzene | 84      | 38-134         |    |      |       |

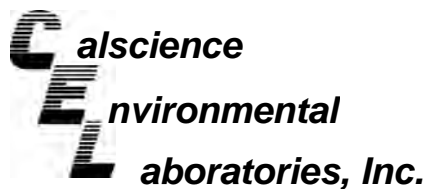
|        |                |                   |         |      |          |                   |           |
|--------|----------------|-------------------|---------|------|----------|-------------------|-----------|
| WCW-12 | 10-10-0581-7-E | 10/07/10<br>10:07 | Aqueous | GC 5 | 10/08/10 | 10/08/10<br>18:04 | 101008B01 |
|--------|----------------|-------------------|---------|------|----------|-------------------|-----------|

| Parameter              | Result  | RL             | DF | Qual | Units |
|------------------------|---------|----------------|----|------|-------|
| TPH as Gasoline        | ND      | 100            | 1  |      | ug/L  |
| Surrogates:            | REC (%) | Control Limits |    | Qual |       |
| 1,4-Bromofluorobenzene | 84      | 38-134         |    |      |       |

|       |                |                   |         |      |          |                   |           |
|-------|----------------|-------------------|---------|------|----------|-------------------|-----------|
| WCW-4 | 10-10-0581-8-E | 10/07/10<br>10:49 | Aqueous | GC 5 | 10/08/10 | 10/08/10<br>18:36 | 101008B01 |
|-------|----------------|-------------------|---------|------|----------|-------------------|-----------|

| Parameter              | Result  | RL             | DF | Qual | Units |
|------------------------|---------|----------------|----|------|-------|
| TPH as Gasoline        | ND      | 100            | 1  |      | ug/L  |
| Surrogates:            | REC (%) | Control Limits |    | Qual |       |
| 1,4-Bromofluorobenzene | 85      | 38-134         |    |      |       |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/10  
Work Order No: 10-10-0581  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM / 746442

Page 2 of 2

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| WCW-14               | 10-10-0581-9-E    | 10/07/10<br>11:27   | Aqueous | GC 5       | 10/08/10      | 10/08/10<br>19:09  | 101008B01   |

| Parameter              | Result  | RL             | DF | Qual | Units |
|------------------------|---------|----------------|----|------|-------|
| TPH as Gasoline        | ND      | 100            | 1  |      | ug/L  |
| Surrogates:            | REC (%) | Control Limits |    | Qual |       |
| 1,4-Bromofluorobenzene | 84      | 38-134         |    |      |       |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| WCW-8                | 10-10-0581-10-E   | 10/07/10<br>12:18   | Aqueous | GC 5       | 10/08/10      | 10/08/10<br>19:41  | 101008B01   |

| Parameter              | Result  | RL             | DF | Qual | Units |
|------------------------|---------|----------------|----|------|-------|
| TPH as Gasoline        | ND      | 100            | 1  |      | ug/L  |
| Surrogates:            | REC (%) | Control Limits |    | Qual |       |
| 1,4-Bromofluorobenzene | 85      | 38-134         |    |      |       |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| WCW-5                | 10-10-0581-11-E   | 10/07/10<br>12:52   | Aqueous | GC 5       | 10/08/10      | 10/08/10<br>20:14  | 101008B01   |

| Parameter              | Result  | RL             | DF | Qual | Units |
|------------------------|---------|----------------|----|------|-------|
| TPH as Gasoline        | ND      | 100            | 1  |      | ug/L  |
| Surrogates:            | REC (%) | Control Limits |    | Qual |       |
| 1,4-Bromofluorobenzene | 85      | 38-134         |    |      |       |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| Method Blank         | 099-12-247-4,548  | N/A                 | Aqueous | GC 5       | 10/08/10      | 10/08/10<br>13:20  | 101008B01   |

| Parameter              | Result  | RL             | DF | Qual | Units |
|------------------------|---------|----------------|----|------|-------|
| TPH as Gasoline        | ND      | 100            | 1  |      | ug/L  |
| Surrogates:            | REC (%) | Control Limits |    | Qual |       |
| 1,4-Bromofluorobenzene | 84      | 38-134         |    |      |       |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/10  
Work Order No: 10-10-0581  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 1 of 13

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| TB4                  | 10-10-0581-1-A    | 10/07/10 07:30      | Aqueous | GC/MS PP   | 10/09/10      | 10/10/10 01:43     | 101009L02   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 105     | 80-126         |      | 1,2-Dichloroethane-d4  | 106     | 80-131         |      |
| Toluene-d8           | 102     | 80-120         |      | 1,4-Bromofluorobenzene | 99      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/10  
Work Order No: 10-10-0581  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 2 of 13


| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| MW-16                | 10-10-0581-2-A    | 10/07/10<br>07:38   | Aqueous | GC/MS PP   | 10/09/10      | 10/09/10<br>23:02  | 101009L02   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 109     | 80-126         |      | 1,2-Dichloroethane-d4  | 110     | 80-131         |      |
| Toluene-d8           | 102     | 80-120         |      | 1,4-Bromofluorobenzene | 99      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/10  
Work Order No: 10-10-0581  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 3 of 13


| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GMW-32               | 10-10-0581-3-A    | 10/07/10<br>08:11   | Aqueous | GC/MS PP   | 10/09/10      | 10/10/10<br>02:09  | 101009L02   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | 0.73   | 1.0  | 0.28 | 1  | J    | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 102     | 80-126         |      | 1,2-Dichloroethane-d4  | 104     | 80-131         |      |
| Toluene-d8           | 100     | 80-120         |      | 1,4-Bromofluorobenzene | 101     | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/10  
Work Order No: 10-10-0581  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 4 of 13


| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GMW-32 dup           | 10-10-0581-4-A    | 10/07/10 00:00      | Aqueous | GC/MS PP   | 10/09/10      | 10/10/10 02:36     | 101009L02   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | 0.61   | 1.0  | 0.28 | 1  | J    | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 105     | 80-126         |      | 1,2-Dichloroethane-d4  | 104     | 80-131         |      |
| Toluene-d8           | 102     | 80-120         |      | 1,4-Bromofluorobenzene | 101     | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/10  
Work Order No: 10-10-0581  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 5 of 13


| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| WCW-6                | 10-10-0581-5-A    | 10/07/10<br>08:58   | Aqueous | GC/MS PP   | 10/09/10      | 10/10/10<br>03:03  | 101009L02   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 103     | 80-126         |      | 1,2-Dichloroethane-d4  | 105     | 80-131         |      |
| Toluene-d8           | 102     | 80-120         |      | 1,4-Bromofluorobenzene | 99      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/10  
Work Order No: 10-10-0581  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 6 of 13


| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| WCW-2                | 10-10-0581-6-A    | 10/07/10<br>09:29   | Aqueous | GC/MS PP   | 10/09/10      | 10/10/10<br>03:30  | 101009L02   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 108     | 80-126         |      | 1,2-Dichloroethane-d4  | 107     | 80-131         |      |
| Toluene-d8           | 101     | 80-120         |      | 1,4-Bromofluorobenzene | 99      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/10  
Work Order No: 10-10-0581  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 7 of 13

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| WCW-12               | 10-10-0581-7-A    | 10/07/10<br>10:07   | Aqueous | GC/MS PP   | 10/09/10      | 10/10/10<br>03:57  | 101009L02   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 106     | 80-126         |      | 1,2-Dichloroethane-d4  | 107     | 80-131         |      |
| Toluene-d8           | 101     | 80-120         |      | 1,4-Bromofluorobenzene | 97      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/10  
Work Order No: 10-10-0581  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 8 of 13

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| WCW-4                | 10-10-0581-8-A    | 10/07/10<br>10:49   | Aqueous | GC/MS PP   | 10/09/10      | 10/10/10<br>04:24  | 101009L02   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | 0.89   | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 106     | 80-126         |      | 1,2-Dichloroethane-d4  | 109     | 80-131         |      |
| Toluene-d8           | 102     | 80-120         |      | 1,4-Bromofluorobenzene | 99      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/10  
Work Order No: 10-10-0581  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 9 of 13

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| WCW-14               | 10-10-0581-9-A    | 10/07/10 11:27      | Aqueous | GC/MS PP   | 10/09/10      | 10/10/10 04:50     | 101009L02   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 104     | 80-126         |      | 1,2-Dichloroethane-d4  | 106     | 80-131         |      |
| Toluene-d8           | 102     | 80-120         |      | 1,4-Bromofluorobenzene | 97      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/10  
Work Order No: 10-10-0581  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 10 of 13

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| WCW-8                | 10-10-0581-10-A   | 10/07/10<br>12:18   | Aqueous | GC/MS PP   | 10/09/10      | 10/10/10<br>05:17  | 101009L02   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | 0.90   | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | 3.7    | 10   | 3.5  | 1  | J    |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 106     | 80-126         |      | 1,2-Dichloroethane-d4  | 108     | 80-131         |      |
| Toluene-d8           | 102     | 80-120         |      | 1,4-Bromofluorobenzene | 99      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/10  
Work Order No: 10-10-0581  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 11 of 13


| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| WCW-5                | 10-10-0581-11-A   | 10/07/10<br>12:52   | Aqueous | GC/MS PP   | 10/09/10      | 10/10/10<br>05:44  | 101009L02   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 108     | 80-126         |      | 1,2-Dichloroethane-d4  | 110     | 80-131         |      |
| Toluene-d8           | 102     | 80-120         |      | 1,4-Bromofluorobenzene | 99      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/10  
Work Order No: 10-10-0581  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 12 of 13

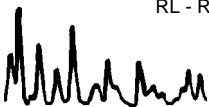
| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GMW-45               | 10-10-0581-12-A   | 10/07/10<br>14:20   | Aqueous | GC/MS PP   | 10/09/10      | 10/10/10<br>06:11  | 101009L02   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | 53     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | 3.3    | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | 81     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | 2.2    | 1.0  | 0.28 | 1  |      | Naphthalene                           | 150    | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | 13     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | 77     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | 1.6    | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | 15     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 107     | 80-126         |      | 1,2-Dichloroethane-d4  | 109     | 80-131         |      |
| Toluene-d8           | 105     | 80-120         |      | 1,4-Bromofluorobenzene | 100     | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/07/10  
Work Order No: 10-10-0581  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 13 of 13

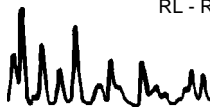
| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| Method Blank         | 099-14-001-2,188  | N/A                 | Aqueous | GC/MS PP   | 10/09/10      | 10/09/10<br>22:35  | 101009L02   |

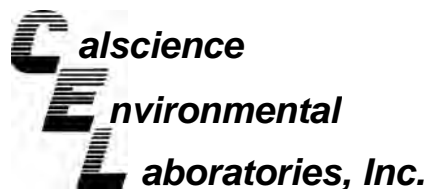
Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 105     | 80-126         |      | 1,2-Dichloroethane-d4  | 106     | 80-131         |      |
| Toluene-d8           | 102     | 80-120         |      | 1,4-Bromofluorobenzene | 97      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





## Quality Control - Spike/Spike Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

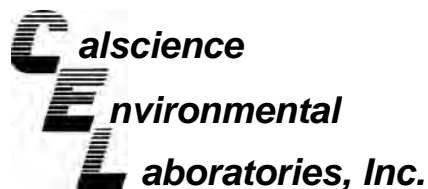
Date Received: 10/07/10  
Work Order No: 10-10-0581  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

Project DFSP NORWALK GWM / 746442

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| WCW-2                     | Aqueous | GC 5       | 10/08/10      | 10/08/10      | 101008S01           |

| Parameter       | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-----------------|---------|----------|---------|-----|--------|------------|
| TPH as Gasoline | 102     | 81       | 68-122  | 22  | 0-18   | 4          |

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - Spike/Spike Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

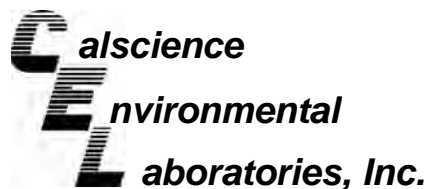
Date Received: 10/07/10  
Work Order No: 10-10-0581  
Preparation: EPA 5030C  
Method: EPA 8260B

Project DFSP NORWALK GWM / 746442

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| MW-16                     | Aqueous | GC/MS PP   | 10/09/10      | 10/09/10      | 101009S02           |

| Parameter                     | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|---------|----------|---------|-----|--------|------------|
| Benzene                       | 100     | 99       | 80-120  | 1   | 0-20   |            |
| Carbon Tetrachloride          | 107     | 105      | 55-151  | 2   | 0-20   |            |
| Chlorobenzene                 | 101     | 99       | 80-120  | 1   | 0-20   |            |
| 1,2-Dibromoethane             | 104     | 104      | 77-125  | 0   | 0-20   |            |
| 1,2-Dichlorobenzene           | 98      | 97       | 78-120  | 2   | 0-20   |            |
| 1,2-Dichloroethane            | 109     | 108      | 80-120  | 1   | 0-20   |            |
| 1,1-Dichloroethene            | 114     | 110      | 69-129  | 3   | 0-20   |            |
| Ethylbenzene                  | 100     | 99       | 73-127  | 1   | 0-20   |            |
| Toluene                       | 102     | 100      | 80-120  | 1   | 0-20   |            |
| Trichloroethene               | 106     | 100      | 67-133  | 5   | 0-20   |            |
| Vinyl Chloride                | 101     | 100      | 67-133  | 1   | 0-20   |            |
| Methyl-t-Butyl Ether (MTBE)   | 110     | 109      | 65-131  | 1   | 0-22   |            |
| Tert-Butyl Alcohol (TBA)      | 102     | 107      | 62-134  | 4   | 0-20   |            |
| Diisopropyl Ether (DIPE)      | 110     | 108      | 64-136  | 1   | 0-29   |            |
| Ethyl-t-Butyl Ether (ETBE)    | 109     | 107      | 70-124  | 1   | 0-20   |            |
| Tert-Amyl-Methyl Ether (TAME) | 104     | 105      | 71-125  | 1   | 0-20   |            |
| Ethanol                       | 88      | 92       | 44-152  | 4   | 0-43   |            |

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - LCS/LCS Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

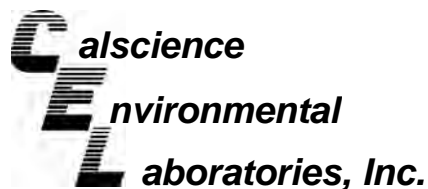
Date Received: N/A  
Work Order No: 10-10-0581  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM / 746442

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|-----------------------|
| 099-12-366-71             | Aqueous | GC 49      | 10/11/10      | 10/12/10      | 101011B16             |

| <u>Parameter</u> | <u>LCS %REC</u> | <u>LCSD %REC</u> | <u>%REC CL</u> | <u>RPD</u> | <u>RPD CL</u> | <u>Qualifiers</u> |
|------------------|-----------------|------------------|----------------|------------|---------------|-------------------|
| TPH as JP5       | 93              | 103              | 75-117         | 10         | 0-13          |                   |

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - LCS/LCS Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: N/A  
Work Order No: 10-10-0581  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

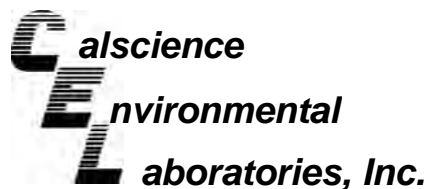
Project: DFSP NORWALK GWM / 746442

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|-----------------------|
| 099-12-247-4,548          | Aqueous | GC 5       | 10/08/10      | 10/08/10      | 101008B01             |

| Parameter       | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-----------------|----------|-----------|---------|-----|--------|------------|
| TPH as Gasoline | 92       | 97        | 78-120  | 6   | 0-10   |            |

RPD - Relative Percent Difference , CL - Control Limit





## Quality Control - LCS/LCS Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: N/A  
Work Order No: 10-10-0581  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: DFSP NORWALK GWM / 746442

| Quality Control Sample ID     | Matrix   | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |        |            |
|-------------------------------|----------|------------|---------------|---------------|-----------------------|--------|------------|
| 099-14-001-2,188              | Aqueous  | GC/MS PP   | 10/09/10      | 10/09/10      | 101009L02             |        |            |
| Parameter                     | LCS %REC | LCSD %REC  | %REC CL       | ME CL         | RPD                   | RPD CL | Qualifiers |
| Benzene                       | 99       | 98         | 80-120        | 73-127        | 0                     | 0-20   |            |
| Carbon Tetrachloride          | 104      | 102        | 67-139        | 55-151        | 2                     | 0-22   |            |
| Chlorobenzene                 | 100      | 100        | 80-120        | 73-127        | 1                     | 0-20   |            |
| 1,2-Dibromoethane             | 105      | 104        | 80-120        | 73-127        | 1                     | 0-20   |            |
| 1,2-Dichlorobenzene           | 97       | 94         | 79-120        | 72-127        | 3                     | 0-20   |            |
| 1,2-Dichloroethane            | 107      | 106        | 80-120        | 73-127        | 1                     | 0-20   |            |
| 1,1-Dichloroethene            | 108      | 106        | 71-125        | 62-134        | 2                     | 0-25   |            |
| Ethylbenzene                  | 101      | 99         | 80-123        | 73-130        | 2                     | 0-20   |            |
| Toluene                       | 102      | 100        | 80-120        | 73-127        | 2                     | 0-20   |            |
| Trichloroethene               | 103      | 102        | 80-120        | 73-127        | 1                     | 0-20   |            |
| Vinyl Chloride                | 98       | 98         | 68-140        | 56-152        | 0                     | 0-23   |            |
| Methyl-t-Butyl Ether (MTBE)   | 108      | 107        | 75-123        | 67-131        | 0                     | 0-25   |            |
| Tert-Butyl Alcohol (TBA)      | 101      | 99         | 72-126        | 63-135        | 2                     | 0-20   |            |
| Diisopropyl Ether (DIPE)      | 107      | 107        | 75-129        | 66-138        | 0                     | 0-22   |            |
| Ethyl-t-Butyl Ether (ETBE)    | 106      | 107        | 76-124        | 68-132        | 1                     | 0-20   |            |
| Tert-Amyl-Methyl Ether (TAME) | 105      | 106        | 79-121        | 72-128        | 1                     | 0-20   |            |
| Ethanol                       | 95       | 101        | 53-143        | 38-158        | 6                     | 0-25   |            |

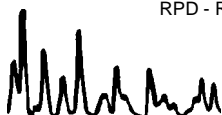
Total number of LCS compounds : 17

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

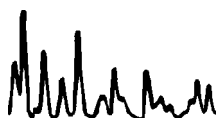


## Glossary of Terms and Qualifiers



Work Order Number: 10-10-0581

| <u>Qualifier</u> | <u>Definition</u>  |
|------------------|--|
| *                | See applicable analysis comment.   |
| <                | Less than the indicated value.   |
| >                | Greater than the indicated value.  |
| 1                | Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.   |
| 2                | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.                             |
| 3                | Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.    |
| 4                | The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.  |
| 5                | The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification. |
| B                | Analyte was present in the associated method blank.  |
| E                | Concentration exceeds the calibration range.   |
| J                | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.  |
| ME               | LCS Recovery Percentage is within LCS ME Control Limit range.  |
| ND               | Parameter not detected at the indicated reporting limit.   |
| Q                | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.  |
| X                | % Recovery and/or RPD out-of-range.  |
| Z                | Analyte presence was not confirmed by second column or GC/MS analysis.<br><br>Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.   |





# Calscience Environmental Laboratories, Inc.

SoCal Laboratory  
7440 Lincoln Way  
Garden Grove, CA 92841-1427  
(714) 895-5494

NorCal Service Center  
5063 Commercial Circle, Suite H  
Concord, CA 94520-8577  
(925) 689-9022

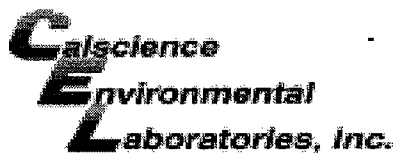
## CHAIN OF CUSTODY RECORD

Date 10/7/10  
Page 1 of 2

| LABORATORY CLIENT: <b>PARSONS</b>  |           | CLIENT PROJECT NAME / NUMBER:<br><b>746442 DFSP Nowack</b>  |               | P.O. NO.:   |        |                   |                 |                                 |                      |                            |   |                    |                    |               |                    |             |                        |                        |                                 |                          |                |  |
|--|-----------|---|---------------|---|--------|-------------------|-----------------|---------------------------------|----------------------|----------------------------|---|--------------------|--------------------|---------------|--------------------|-------------|------------------------|------------------------|---------------------------------|--------------------------|----------------|--|
| ADDRESS: <b>100 W. WALNUT ST.</b>  |           | PROJECT CONTACT: <b>MARY LUCAS</b>  |               | <b>10</b>   |        |                   |                 |                                 |                      |                            |   |                    |                    |               |                    |             |                        |                        |                                 |                          |                |  |
| CITY: <b>PASADENA</b>  |           | SAMPLER(S): (PRINT) <b>M Hansen</b>   |               | COOLER RECEIPT: <input checked="" type="checkbox"/> <b>0581</b> |        |                   |                 |                                 |                      |                            |   |                    |                    |               |                    |             |                        |                        |                                 |                          |                |  |
| STATE: <b>CA.</b>  |           | COELT LOG CODE: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>   |               | TEMP: <input type="checkbox"/> °C                               |        |                   |                 |                                 |                      |                            |   |                    |                    |               |                    |             |                        |                        |                                 |                          |                |  |
| E-MAIL: <b>MARY.LUCAS@PARSONS.COM</b>  |           | SAMPLER(S): (PRINT) <b>M Hansen</b>   |               |   |        |                   |                 |                                 |                      |                            |   |                    |                    |               |                    |             |                        |                        |                                 |                          |                |  |
| TURNAROUND TIME:<br><input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> 10 DAYS |           | SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)<br><input type="checkbox"/> RWQCB REPORTING FORMS <input type="checkbox"/> COELT EDF <input type="checkbox"/> |               |   |        |                   |                 |                                 |                      |                            |   |                    |                    |               |                    |             |                        |                        |                                 |                          |                |  |
| SPECIAL INSTRUCTIONS:  |           |   |               |   |        |                   |                 |                                 |                      |                            |   |                    |                    |               |                    |             |                        |                        |                                 |                          |                |  |
| <b>REQUESTED ANALYSES</b>  |           |   |               |   |        |                   |                 |                                 |                      |                            |   |                    |                    |               |                    |             |                        |                        |                                 |                          |                |  |
| LAE USE ONL  | SAMPLE ID | FIELD POINT NAME (FOR COELT EDF)  | SAMPLING DATE | SAMPLING TIME   | MATRIX | NO. OF CONT.      | TPH (g) by BOLS | TPH (d) or (C7-C36) or (C7-C44) | TPH (AS JRS by BOLS) | BTEX / MTBE (8260B) or ( ) | VOCs (8260B) <i>include BTEX, MTBE, TBA</i> | Oxygenates (8260B) | Encore Prep (5035) | SVOCs (8270C) | Pesticides (8081A) | PCBs (8082) | PnAs (8310) or (8270C) | T22 Metals (6010B/74X) | Cr(VI) [7196A or 7199 or 218.6] | VOCs (TO-14A) or (TO-15) | TPH (g) [TO-3] |  |
| 1  | TRB4      |   | 10/7/10       | 0730  | W      | 2                 |                 |                                 |                      |                            |   |                    |                    |               |                    |             |                        |                        |                                 |                          |                |  |
| 2  | MW10      |   |               | 0730  | W      | 4                 |                 | X                               |                      |                            |   |                    |                    |               |                    |             |                        |                        |                                 |                          |                |  |
| 3  | GMW 32    |   |               | 0811  | W      | 4                 |                 | X                               |                      |                            |   |                    |                    |               |                    |             |                        |                        |                                 |                          |                |  |
| 4  | GMW 32dup |   |               | -   | W      | 4                 |                 | X                               |                      |                            |   |                    |                    |               |                    |             |                        |                        |                                 |                          |                |  |
| 5  | wcw 1     |   |               | 0850  | W      | 7                 |                 | X                               |                      |                            |   |                    |                    |               |                    |             |                        |                        |                                 |                          |                |  |
| 6  | wcw 2     |   |               | 0929  | W      | 7                 |                 | X                               |                      |                            |   |                    |                    |               |                    |             |                        |                        |                                 |                          |                |  |
| 7  | wcw 12    |   |               | 1007  | W      | 7                 |                 | X                               |                      |                            |   |                    |                    |               |                    |             |                        |                        |                                 |                          |                |  |
| 8  | wcw 4     |   |               | 1049  | W      | 7                 |                 | X                               |                      |                            |   |                    |                    |               |                    |             |                        |                        |                                 |                          |                |  |
| 9  | wcw 14    |   |               | 1127  | W      | 7                 |                 | X                               |                      |                            |   |                    |                    |               |                    |             |                        |                        |                                 |                          |                |  |
| 10   | wcw 8     |   | 10/7/10       | 1218  | W      | 7                 |                 | X                               |                      |                            |   |                    |                    |               |                    |             |                        |                        |                                 |                          |                |  |
| Relinquished by: (Signature) <b>M Hansen</b>   |           | Received by: (Signature/Affiliation) <b>Sample Custodian</b>  |               | Date: <b>10/7/10</b>  |        | Time: <b>1530</b> |                 |                                 |                      |                            |   |                    |                    |               |                    |             |                        |                        |                                 |                          |                |  |
| Relinquished by: (Signature) <b>M Hansen</b>   |           | Received by: (Signature/Affiliation) <b>M Hansen</b>  |               | Date: <b>10/7/10</b>  |        | Time: <b>1600</b> |                 |                                 |                      |                            |   |                    |                    |               |                    |             |                        |                        |                                 |                          |                |  |
| Relinquished by: (Signature) <b>M Hansen</b>   |           | Received by: (Signature/Affiliation) <b>DANNGLE csl</b>   |               | Date: <b>10/7/10</b>  |        | Time: <b>1750</b> |                 |                                 |                      |                            |   |                    |                    |               |                    |             |                        |                        |                                 |                          |                |  |

DISTRIBUTION: White with final report; Green and Yellow to Client.  
Please note that pages 1 and 2 of 2 of our T/ICs are printed on the reverse side of the Green and Yellow copies respectively.





WORK ORDER #: 10-10-0587

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: PARSONS

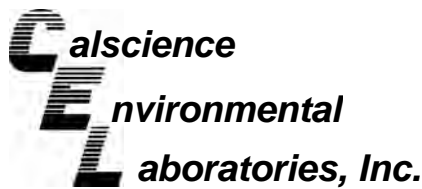
DATE: 10/7/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C - 6.0 °C, not frozen)
Temperature 3.2 °C + 0.5 °C (CF) = 3.7 °C [X] Blank [ ] Sample
[ ] Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_).
[ ] Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.
[ ] Received at ambient temperature, placed on ice for transport by Courier.
Ambient Temperature: [ ] Air [ ] Filter Initial: [Signature]

CUSTODY SEALS INTACT:
[ ] Cooler [ ] \_\_\_\_\_ [ ] No (Not Intact) [X] Not Present [ ] N/A Initial: [Signature]
[ ] Sample [ ] \_\_\_\_\_ [ ] No (Not Intact) [X] Not Present Initial: [Signature]

SAMPLE CONDITION:
Chain-Of-Custody (COC) document(s) received with samples..... [X] Yes [ ] No [ ] N/A
COC document(s) received complete..... [X] Yes [ ] No [ ] N/A
[ ] Collection date/time, matrix, and/or # of containers logged in based on sample labels.
[ ] No analysis requested. [ ] Not relinquished. [ ] No date/time relinquished.
Sampler's name indicated on COC..... [X] Yes [ ] No [ ] N/A
Sample container label(s) consistent with COC..... [X] Yes [ ] No [ ] N/A
Sample container(s) intact and good condition..... [X] Yes [ ] No [ ] N/A
Proper containers and sufficient volume for analyses requested..... [X] Yes [ ] No [ ] N/A
Analyses received within holding time..... [X] Yes [ ] No [ ] N/A
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours..... [ ] Yes [ ] No [X] N/A
Proper preservation noted on COC or sample container..... [X] Yes [ ] No [ ] N/A
[ ] Unpreserved vials received for Volatiles analysis
Volatile analysis container(s) free of headspace..... [X] Yes [ ] No [ ] N/A
Tedlar bag(s) free of condensation..... [ ] Yes [ ] No [X] N/A

CONTAINER TYPE:
Solid: [ ] 4ozCGJ [ ] 8ozCGJ [ ] 16ozCGJ [ ] Sleeve (\_\_\_\_) [ ] EnCores® [ ] TerraCores® [ ] \_\_\_\_\_
Water: [ ] VOA [X] VOAh [ ] VOAna2 [ ] 125AGB [ ] 125AGBh [ ] 125AGBp [ ] 1AGB [ ] 1AGBna2 [ ] 1AGBs
[ ] 500AGB [X] 500AGJ [ ] 500AGJs [ ] 250AGB [ ] 250CGB [ ] 250CGBs [ ] 1PB [ ] 500PB [ ] 500PBna
[ ] 250PB [ ] 250PBn [ ] 125PB [ ] 125PBzanna [ ] 100PJ [ ] 100PJna2 [ ] \_\_\_\_\_ [ ] \_\_\_\_\_ [ ] \_\_\_\_\_
Air: [ ] Tedlar® [ ] Summa® Other: [ ] \_\_\_\_\_ Trip Blank Lot#: 100938A Labeled/Checked by: [Signature]
Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: [Signature]
Preservative: h: HCL n: HNO3 na2: Na2S2O3 na: NaOH p: H3PO4 s: H2SO4 zanna: ZnAc2+NaOH f: Field-filtered Scanned by: [Signature]



October 15, 2010

Mary Lucas  
Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Subject: **CalScience Work Order No.: 10-10-0717**  
**Client Reference: DFSP NORWALK GWM / 746442**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 10/8/2010 and analyzed in accordance with the attached chain-of-custody.

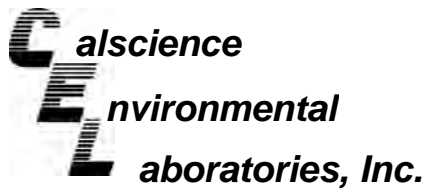
CalScience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analysis, if any, is provided herein, and follows the standard CalScience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink that reads "Ranjit K. F. Clarke".

CalScience Environmental  
Laboratories, Inc.  
Ranjit Clarke  
Project Manager



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/08/10  
Work Order No: 10-10-0717  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM / 746442

Page 1 of 3

| Client Sample Number | Lab Sample Number     | Date/Time Collected       | Matrix         | Instrument   | Date Prepared   | Date/Time Analyzed        | QC Batch ID      |
|----------------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| <b>GMW-31</b>        | <b>10-10-0717-2-D</b> | <b>10/08/10<br/>07:52</b> | <b>Aqueous</b> | <b>GC 49</b> | <b>10/11/10</b> | <b>10/13/10<br/>19:21</b> | <b>101011B16</b> |

| <u>Parameter</u>   | <u>Result</u>  | <u>RL</u>             | <u>DF</u> | <u>Qual</u> | <u>Units</u> |
|--------------------|----------------|-----------------------|-----------|-------------|--------------|
| TPH as JP5         | ND             | 100                   | 1         |             | ug/L         |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> |           | <u>Qual</u> |              |
| Decachlorobiphenyl | 128            | 68-140                |           |             |              |

|             |                       |                           |                |              |                 |                           |                  |
|-------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| <b>PZ-3</b> | <b>10-10-0717-3-D</b> | <b>10/08/10<br/>08:27</b> | <b>Aqueous</b> | <b>GC 49</b> | <b>10/11/10</b> | <b>10/13/10<br/>19:36</b> | <b>101011B16</b> |
|-------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|

| <u>Parameter</u>   | <u>Result</u>  | <u>RL</u>             | <u>DF</u> | <u>Qual</u> | <u>Units</u> |
|--------------------|----------------|-----------------------|-----------|-------------|--------------|
| TPH as JP5         | 430            | 100                   | 1         |             | ug/L         |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> |           | <u>Qual</u> |              |
| Decachlorobiphenyl | 116            | 68-140                |           |             |              |

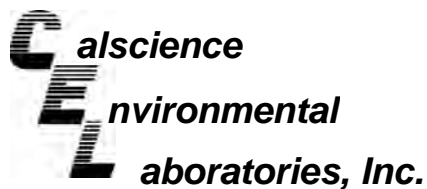
|               |                       |                           |                |              |                 |                           |                  |
|---------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| <b>GMW-12</b> | <b>10-10-0717-4-D</b> | <b>10/08/10<br/>10:42</b> | <b>Aqueous</b> | <b>GC 49</b> | <b>10/11/10</b> | <b>10/13/10<br/>19:50</b> | <b>101011B16</b> |
|---------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|

| <u>Parameter</u>   | <u>Result</u>  | <u>RL</u>             | <u>DF</u> | <u>Qual</u> | <u>Units</u> |
|--------------------|----------------|-----------------------|-----------|-------------|--------------|
| TPH as JP5         | ND             | 100                   | 1         |             | ug/L         |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> |           | <u>Qual</u> |              |
| Decachlorobiphenyl | 117            | 68-140                |           |             |              |

|               |                       |                           |                |              |                 |                           |                  |
|---------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| <b>GMW-44</b> | <b>10-10-0717-5-D</b> | <b>10/08/10<br/>10:10</b> | <b>Aqueous</b> | <b>GC 49</b> | <b>10/11/10</b> | <b>10/13/10<br/>20:05</b> | <b>101011B16</b> |
|---------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|

| <u>Parameter</u>   | <u>Result</u>  | <u>RL</u>             | <u>DF</u> | <u>Qual</u> | <u>Units</u> |
|--------------------|----------------|-----------------------|-----------|-------------|--------------|
| TPH as JP5         | ND             | 100                   | 1         |             | ug/L         |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> |           | <u>Qual</u> |              |
| Decachlorobiphenyl | 126            | 68-140                |           |             |              |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/08/10  
Work Order No: 10-10-0717  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM / 746442

Page 2 of 3

| Client Sample Number | Lab Sample Number     | Date/Time Collected       | Matrix         | Instrument   | Date Prepared   | Date/Time Analyzed        | QC Batch ID      |
|----------------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| <b>GMW-43</b>        | <b>10-10-0717-6-D</b> | <b>10/08/10<br/>09:17</b> | <b>Aqueous</b> | <b>GC 49</b> | <b>10/11/10</b> | <b>10/13/10<br/>20:20</b> | <b>101011B16</b> |

| Parameter          | Result         | RL                    | DF | Qual        | Units |
|--------------------|----------------|-----------------------|----|-------------|-------|
| TPH as JP5         | ND             | 100                   | 1  |             | ug/L  |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> |       |
| Decachlorobiphenyl | 128            | 68-140                |    |             |       |

|               |                       |                           |                |              |                 |                           |                  |
|---------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| <b>GMW-19</b> | <b>10-10-0717-7-D</b> | <b>10/08/10<br/>11:28</b> | <b>Aqueous</b> | <b>GC 49</b> | <b>10/11/10</b> | <b>10/13/10<br/>20:35</b> | <b>101011B16</b> |
|---------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|

| Parameter          | Result         | RL                    | DF | Qual        | Units |
|--------------------|----------------|-----------------------|----|-------------|-------|
| TPH as JP5         | 150            | 100                   | 1  |             | ug/L  |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> |       |
| Decachlorobiphenyl | 124            | 68-140                |    |             |       |

|              |                       |                           |                |              |                 |                           |                  |
|--------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| <b>GW-13</b> | <b>10-10-0717-8-G</b> | <b>10/08/10<br/>12:12</b> | <b>Aqueous</b> | <b>GC 49</b> | <b>10/11/10</b> | <b>10/13/10<br/>20:50</b> | <b>101011B16</b> |
|--------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|

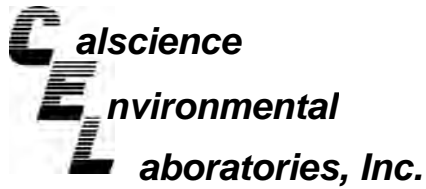
| Parameter          | Result         | RL                    | DF | Qual        | Units |
|--------------------|----------------|-----------------------|----|-------------|-------|
| TPH as JP5         | 120            | 100                   | 1  |             | ug/L  |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> |       |
| Decachlorobiphenyl | 124            | 68-140                |    |             |       |

|             |                       |                           |                |              |                 |                           |                  |
|-------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|
| <b>GW-2</b> | <b>10-10-0717-9-G</b> | <b>10/08/10<br/>12:55</b> | <b>Aqueous</b> | <b>GC 49</b> | <b>10/11/10</b> | <b>10/13/10<br/>21:04</b> | <b>101011B16</b> |
|-------------|-----------------------|---------------------------|----------------|--------------|-----------------|---------------------------|------------------|

| Parameter          | Result         | RL                    | DF | Qual        | Units |
|--------------------|----------------|-----------------------|----|-------------|-------|
| TPH as JP5         | 800            | 100                   | 1  |             | ug/L  |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> |       |
| Decachlorobiphenyl | 116            | 68-140                |    |             |       |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/08/10  
Work Order No: 10-10-0717  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM / 746442

Page 3 of 3

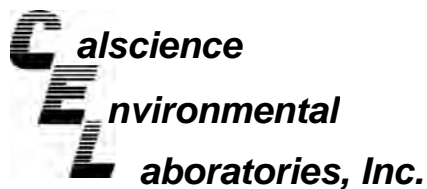
| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GW-16                | 10-10-0717-10-G   | 10/08/10<br>13:35   | Aqueous | GC 49      | 10/11/10      | 10/13/10<br>21:19  | 101011B16   |

| Parameter          | Result  | RL             | DF | Qual | Units |
|--------------------|---------|----------------|----|------|-------|
| TPH as JP5         | ND      | 100            | 1  |      | ug/L  |
| Surrogates:        | REC (%) | Control Limits |    | Qual |       |
| Decachlorobiphenyl | 120     | 68-140         |    |      |       |

|              |               |     |         |       |          |                   |           |
|--------------|---------------|-----|---------|-------|----------|-------------------|-----------|
| Method Blank | 099-12-366-71 | N/A | Aqueous | GC 49 | 10/11/10 | 10/12/10<br>14:20 | 101011B16 |
|--------------|---------------|-----|---------|-------|----------|-------------------|-----------|

| Parameter          | Result  | RL             | DF | Qual | Units |
|--------------------|---------|----------------|----|------|-------|
| TPH as JP5         | ND      | 100            | 1  |      | ug/L  |
| Surrogates:        | REC (%) | Control Limits |    | Qual |       |
| Decachlorobiphenyl | 102     | 68-140         |    |      |       |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/08/10  
Work Order No: 10-10-0717  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM / 746442

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GW-13                | 10-10-0717-8-F    | 10/08/10<br>12:12   | Aqueous | GC 5       | 10/13/10      | 10/14/10<br>00:39  | 101013B01   |

| Parameter              | Result  | RL             | DF | Qual | Units |
|------------------------|---------|----------------|----|------|-------|
| TPH as Gasoline        | ND      | 100            | 1  |      | ug/L  |
| Surrogates:            | REC (%) | Control Limits |    | Qual |       |
| 1,4-Bromofluorobenzene | 86      | 38-134         |    |      |       |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GW-2                 | 10-10-0717-9-F    | 10/08/10<br>12:55   | Aqueous | GC 5       | 10/13/10      | 10/14/10<br>01:12  | 101013B01   |

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

| Parameter              | Result  | RL             | DF | Qual | Units |
|------------------------|---------|----------------|----|------|-------|
| TPH as Gasoline        | 180     | 100            | 1  |      | ug/L  |
| Surrogates:            | REC (%) | Control Limits |    | Qual |       |
| 1,4-Bromofluorobenzene | 90      | 38-134         |    |      |       |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GW-16                | 10-10-0717-10-F   | 10/08/10<br>13:35   | Aqueous | GC 5       | 10/13/10      | 10/14/10<br>01:44  | 101013B01   |

| Parameter              | Result  | RL             | DF | Qual | Units |
|------------------------|---------|----------------|----|------|-------|
| TPH as Gasoline        | ND      | 100            | 1  |      | ug/L  |
| Surrogates:            | REC (%) | Control Limits |    | Qual |       |
| 1,4-Bromofluorobenzene | 86      | 38-134         |    |      |       |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| Method Blank         | 099-12-247-4,561  | N/A                 | Aqueous | GC 5       | 10/13/10      | 10/13/10<br>12:43  | 101013B01   |

| Parameter              | Result  | RL             | DF | Qual | Units |
|------------------------|---------|----------------|----|------|-------|
| TPH as Gasoline        | ND      | 100            | 1  |      | ug/L  |
| Surrogates:            | REC (%) | Control Limits |    | Qual |       |
| 1,4-Bromofluorobenzene | 85      | 38-134         |    |      |       |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/08/10  
Work Order No: 10-10-0717  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 1 of 12


| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| TB-5                 | 10-10-0717-1-A    | 10/08/10 08:00      | Aqueous | GC/MS OO   | 10/10/10      | 10/11/10 00:18     | 101010L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 97      | 80-126         |      | 1,2-Dichloroethane-d4  | 95      | 80-131         |      |
| Toluene-d8           | 100     | 80-120         |      | 1,4-Bromofluorobenzene | 99      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/08/10  
Work Order No: 10-10-0717  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 2 of 12


| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GMW-31               | 10-10-0717-2-A    | 10/08/10<br>07:52   | Aqueous | GC/MS OO   | 10/10/10      | 10/11/10<br>00:47  | 101010L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | 6.5    | 10   | 3.5  | 1  | J    |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 98      | 80-126         |      | 1,2-Dichloroethane-d4  | 95      | 80-131         |      |
| Toluene-d8           | 100     | 80-120         |      | 1,4-Bromofluorobenzene | 100     | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/08/10  
Work Order No: 10-10-0717  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 3 of 12

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| PZ-3                 | 10-10-0717-3-A    | 10/08/10<br>08:27   | Aqueous | GC/MS OO   | 10/10/10      | 10/11/10<br>01:16  | 101010L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | 0.60   | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | 0.96   | 1.0  | 0.23 | 1  | J    |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | 0.39   | 1.0  | 0.24 | 1  | J    |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | 0.24   | 1.0  | 0.23 | 1  | J    |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | 0.51   | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | 0.69   | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 100     | 80-126         |      | 1,2-Dichloroethane-d4  | 97      | 80-131         |      |
| Toluene-d8           | 99      | 80-120         |      | 1,4-Bromofluorobenzene | 99      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/08/10  
Work Order No: 10-10-0717  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 4 of 12


| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GMW-12               | 10-10-0717-4-A    | 10/08/10<br>10:42   | Aqueous | GC/MS OO   | 10/10/10      | 10/11/10<br>01:45  | 101010L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | 3.6    | 10   | 3.5  | 1  | J    |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 99      | 80-126         |      | 1,2-Dichloroethane-d4  | 95      | 80-131         |      |
| Toluene-d8           | 100     | 80-120         |      | 1,4-Bromofluorobenzene | 99      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/08/10  
Work Order No: 10-10-0717  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 5 of 12

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GMW-44               | 10-10-0717-5-A    | 10/08/10<br>10:10   | Aqueous | GC/MS OO   | 10/10/10      | 10/11/10<br>02:13  | 101010L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 98      | 80-126         |      | 1,2-Dichloroethane-d4  | 97      | 80-131         |      |
| Toluene-d8           | 99      | 80-120         |      | 1,4-Bromofluorobenzene | 98      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/08/10  
Work Order No: 10-10-0717  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 6 of 12

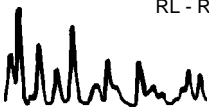
| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GMW-43               | 10-10-0717-6-A    | 10/08/10<br>09:17   | Aqueous | GC/MS OO   | 10/10/10      | 10/11/10<br>02:42  | 101010L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 99      | 80-126         |      | 1,2-Dichloroethane-d4  | 97      | 80-131         |      |
| Toluene-d8           | 100     | 80-120         |      | 1,4-Bromofluorobenzene | 98      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/08/10  
Work Order No: 10-10-0717  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 7 of 12

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GMW-19               | 10-10-0717-7-A    | 10/08/10 11:28      | Aqueous | GC/MS OO   | 10/10/10      | 10/11/10 03:10     | 101010L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | 2.4    | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | 1.8    | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | 0.31   | 1.0  | 0.20 | 1  | J    | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | 2.7    | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 98      | 80-126         |      | 1,2-Dichloroethane-d4  | 96      | 80-131         |      |
| Toluene-d8           | 100     | 80-120         |      | 1,4-Bromofluorobenzene | 98      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/08/10  
Work Order No: 10-10-0717  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 8 of 12


| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GW-13                | 10-10-0717-8-A    | 10/08/10<br>12:12   | Aqueous | GC/MS OO   | 10/10/10      | 10/11/10<br>03:38  | 101010L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | 5.0    | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | 11     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | 24     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | 1.1    | 2.0  | 0.31 | 1  | J    |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 99      | 80-126         |      | 1,2-Dichloroethane-d4  | 97      | 80-131         |      |
| Toluene-d8           | 99      | 80-120         |      | 1,4-Bromofluorobenzene | 99      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/08/10  
Work Order No: 10-10-0717  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 9 of 12


| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GW-2                 | 10-10-0717-9-A    | 10/08/10<br>12:55   | Aqueous | GC/MS OO   | 10/11/10      | 10/11/10<br>16:54  | 101011L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | 18     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | 1.1    | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | 2.4    | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | 0.33   | 1.0  | 0.20 | 1  | J    | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | 0.54   | 1.0  | 0.24 | 1  | J    |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | 0.61   | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | 4.6    | 0.50 | 0.31 | 1  |      | o-Xylene                              | 0.70   | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | 1.4    | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | 21     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | 0.91   | 2.0  | 0.31 | 1  | J    |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 99      | 80-126         |      | 1,2-Dichloroethane-d4  | 98      | 80-131         |      |
| Toluene-d8           | 100     | 80-120         |      | 1,4-Bromofluorobenzene | 102     | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/08/10  
Work Order No: 10-10-0717  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 10 of 12

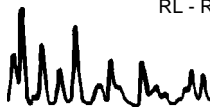
| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| GW-16                | 10-10-0717-10-A   | 10/08/10<br>13:35   | Aqueous | GC/MS OO   | 10/11/10      | 10/11/10<br>17:23  | 101011L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | 1.7    | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | 3.6    | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | 0.51   | 1.0  | 0.23 | 1  | J    |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | 0.57   | 1.0  | 0.33 | 1  | J    | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | 5.5    | 10   | 3.5  | 1  | J    |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 98      | 80-126         |      | 1,2-Dichloroethane-d4  | 94      | 80-131         |      |
| Toluene-d8           | 100     | 80-120         |      | 1,4-Bromofluorobenzene | 100     | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/08/10  
Work Order No: 10-10-0717  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 11 of 12

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| Method Blank         | 099-14-001-2,203  | N/A                 | Aqueous | GC/MS OO   | 10/10/10      | 10/10/10<br>20:30  | 101010L01   |

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 96      | 80-126         |      | 1,2-Dichloroethane-d4  | 95      | 80-131         |      |
| Toluene-d8           | 100     | 80-120         |      | 1,4-Bromofluorobenzene | 100     | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/08/10  
Work Order No: 10-10-0717  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: DFSP NORWALK GWM / 746442

Page 12 of 12


| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| Method Blank         | 099-14-001-2,205  | N/A                 | Aqueous | GC/MS OO   | 10/11/10      | 10/11/10 14:29     | 101011L01   |

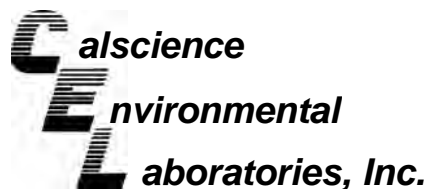
Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

| Parameter                   | Result | RL   | MDL  | DF | Qual | Parameter                             | Result | RL   | MDL  | DF | Qual |
|-----------------------------|--------|------|------|----|------|---------------------------------------|--------|------|------|----|------|
| Acetone                     | ND     | 50   | 20   | 1  |      | c-1,3-Dichloropropene                 | ND     | 0.50 | 0.28 | 1  |      |
| Benzene                     | ND     | 0.50 | 0.28 | 1  |      | t-1,3-Dichloropropene                 | ND     | 0.50 | 0.36 | 1  |      |
| Bromobenzene                | ND     | 1.0  | 0.33 | 1  |      | Ethylbenzene                          | ND     | 0.50 | 0.22 | 1  |      |
| Bromochloromethane          | ND     | 1.0  | 0.69 | 1  |      | 2-Hexanone                            | ND     | 10   | 6.9  | 1  |      |
| Bromodichloromethane        | ND     | 1.0  | 0.33 | 1  |      | Isopropylbenzene                      | ND     | 1.0  | 0.23 | 1  |      |
| Bromoform                   | ND     | 1.0  | 0.55 | 1  |      | p-Isopropyltoluene                    | ND     | 1.0  | 0.26 | 1  |      |
| Bromomethane                | ND     | 5.0  | 4.3  | 1  |      | Methylene Chloride                    | ND     | 5.0  | 2.6  | 1  |      |
| 2-Butanone                  | ND     | 10   | 6.9  | 1  |      | 4-Methyl-2-Pentanone                  | ND     | 10   | 4.4  | 1  |      |
| n-Butylbenzene              | ND     | 1.0  | 0.28 | 1  |      | Naphthalene                           | ND     | 10   | 2.5  | 1  |      |
| sec-Butylbenzene            | ND     | 1.0  | 0.20 | 1  |      | n-Propylbenzene                       | ND     | 1.0  | 0.79 | 1  |      |
| tert-Butylbenzene           | ND     | 1.0  | 0.28 | 1  |      | Styrene                               | ND     | 1.0  | 0.30 | 1  |      |
| Carbon Disulfide            | ND     | 10   | 1.9  | 1  |      | 1,1,1,2-Tetrachloroethane             | ND     | 1.0  | 0.35 | 1  |      |
| Carbon Tetrachloride        | ND     | 0.50 | 0.43 | 1  |      | 1,1,2,2-Tetrachloroethane             | ND     | 1.0  | 0.44 | 1  |      |
| Chlorobenzene               | ND     | 1.0  | 0.22 | 1  |      | Tetrachloroethene                     | ND     | 1.0  | 0.51 | 1  |      |
| Chloroethane                | ND     | 5.0  | 1.3  | 1  |      | Toluene                               | ND     | 0.50 | 0.33 | 1  |      |
| Chloroform                  | ND     | 1.0  | 0.33 | 1  |      | 1,2,3-Trichlorobenzene                | ND     | 1.0  | 0.31 | 1  |      |
| Chloromethane               | ND     | 5.0  | 0.49 | 1  |      | 1,2,4-Trichlorobenzene                | ND     | 1.0  | 0.49 | 1  |      |
| 2-Chlorotoluene             | ND     | 1.0  | 0.55 | 1  |      | 1,1,1-Trichloroethane                 | ND     | 1.0  | 0.45 | 1  |      |
| 4-Chlorotoluene             | ND     | 1.0  | 0.21 | 1  |      | 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND     | 10   | 0.64 | 1  |      |
| Dibromochloromethane        | ND     | 1.0  | 0.48 | 1  |      | 1,1,2-Trichloroethane                 | ND     | 1.0  | 0.54 | 1  |      |
| 1,2-Dibromo-3-Chloropropane | ND     | 5.0  | 3.1  | 1  |      | Trichloroethene                       | ND     | 1.0  | 0.30 | 1  |      |
| 1,2-Dibromoethane           | ND     | 1.0  | 0.47 | 1  |      | Trichlorofluoromethane                | ND     | 10   | 0.31 | 1  |      |
| Dibromomethane              | ND     | 1.0  | 0.59 | 1  |      | 1,2,3-Trichloropropane                | ND     | 5.0  | 1.3  | 1  |      |
| 1,2-Dichlorobenzene         | ND     | 1.0  | 0.27 | 1  |      | 1,2,4-Trimethylbenzene                | ND     | 1.0  | 0.24 | 1  |      |
| 1,3-Dichlorobenzene         | ND     | 1.0  | 0.28 | 1  |      | 1,3,5-Trimethylbenzene                | ND     | 1.0  | 0.23 | 1  |      |
| 1,4-Dichlorobenzene         | ND     | 1.0  | 0.21 | 1  |      | Vinyl Acetate                         | ND     | 10   | 7.1  | 1  |      |
| Dichlorodifluoromethane     | ND     | 1.0  | 0.49 | 1  |      | Vinyl Chloride                        | ND     | 0.50 | 0.33 | 1  |      |
| 1,1-Dichloroethane          | ND     | 1.0  | 0.37 | 1  |      | p/m-Xylene                            | ND     | 0.50 | 0.45 | 1  |      |
| 1,2-Dichloroethane          | ND     | 0.50 | 0.31 | 1  |      | o-Xylene                              | ND     | 0.50 | 0.24 | 1  |      |
| 1,1-Dichloroethene          | ND     | 1.0  | 0.40 | 1  |      | Methyl-t-Butyl Ether (MTBE)           | ND     | 0.50 | 0.30 | 1  |      |
| c-1,2-Dichloroethene        | ND     | 1.0  | 0.49 | 1  |      | Tert-Butyl Alcohol (TBA)              | ND     | 10   | 3.5  | 1  |      |
| t-1,2-Dichloroethene        | ND     | 1.0  | 0.40 | 1  |      | Diisopropyl Ether (DIPE)              | ND     | 2.0  | 0.31 | 1  |      |
| 1,2-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Ethyl-t-Butyl Ether (ETBE)            | ND     | 2.0  | 0.27 | 1  |      |
| 1,3-Dichloropropane         | ND     | 1.0  | 0.38 | 1  |      | Tert-Amyl-Methyl Ether (TAME)         | ND     | 2.0  | 0.28 | 1  |      |
| 2,2-Dichloropropane         | ND     | 1.0  | 0.46 | 1  |      | Ethanol                               | ND     | 100  | 50   | 1  |      |
| 1,1-Dichloropropene         | ND     | 1.0  | 0.26 | 1  |      |                                       |        |      |      |    |      |

| Surrogates:          | REC (%) | Control Limits | Qual | Surrogates:            | REC (%) | Control Limits | Qual |
|----------------------|---------|----------------|------|------------------------|---------|----------------|------|
| Dibromofluoromethane | 99      | 80-126         |      | 1,2-Dichloroethane-d4  | 97      | 80-131         |      |
| Toluene-d8           | 100     | 80-120         |      | 1,4-Bromofluorobenzene | 99      | 80-120         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





## Quality Control - Spike/Spike Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

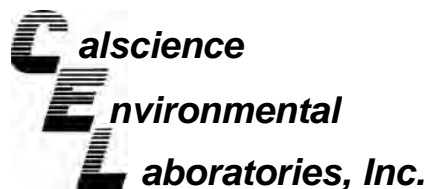
Date Received: 10/08/10  
Work Order No: 10-10-0717  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

Project DFSP NORWALK GWM / 746442

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| 10-10-0738-3              | Aqueous | GC 5       | 10/13/10      | 10/13/10      | 101013S01           |

| Parameter       | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-----------------|---------|----------|---------|-----|--------|------------|
| TPH as Gasoline | 79      | 81       | 68-122  | 3   | 0-18   |            |

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - Spike/Spike Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: 10/08/10  
Work Order No: 10-10-0717  
Preparation: EPA 5030C  
Method: EPA 8260B

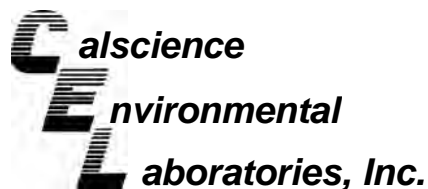
Project DFSP NORWALK GWM / 746442

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| 10-09-2207-11             | Aqueous | GC/MS OO   | 10/10/10      | 10/10/10      | 101010S01           |

| Parameter                     | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|---------|----------|---------|-----|--------|------------|
| Benzene                       | 94      | 95       | 80-120  | 2   | 0-20   |            |
| Carbon Tetrachloride          | 94      | 94       | 55-151  | 0   | 0-20   |            |
| Chlorobenzene                 | 97      | 98       | 80-120  | 1   | 0-20   |            |
| 1,2-Dibromoethane             | 99      | 106      | 77-125  | 7   | 0-20   |            |
| 1,2-Dichlorobenzene           | 94      | 96       | 78-120  | 3   | 0-20   |            |
| 1,2-Dichloroethane            | 94      | 99       | 80-120  | 5   | 0-20   |            |
| 1,1-Dichloroethene            | 97      | 96       | 69-129  | 1   | 0-20   |            |
| Ethylbenzene                  | 95      | 97       | 73-127  | 1   | 0-20   |            |
| Toluene                       | 94      | 95       | 80-120  | 2   | 0-20   |            |
| Trichloroethene               | 96      | 98       | 67-133  | 1   | 0-20   |            |
| Vinyl Chloride                | 91      | 90       | 67-133  | 1   | 0-20   |            |
| Methyl-t-Butyl Ether (MTBE)   | 92      | 95       | 65-131  | 3   | 0-22   |            |
| Tert-Butyl Alcohol (TBA)      | 94      | 100      | 62-134  | 6   | 0-20   |            |
| Diisopropyl Ether (DIPE)      | 95      | 98       | 64-136  | 3   | 0-29   |            |
| Ethyl-t-Butyl Ether (ETBE)    | 93      | 97       | 70-124  | 4   | 0-20   |            |
| Tert-Amyl-Methyl Ether (TAME) | 94      | 97       | 71-125  | 3   | 0-20   |            |
| Ethanol                       | 93      | 95       | 44-152  | 2   | 0-43   |            |

RPD - Relative Percent Difference , CL - Control Limit





## Quality Control - Spike/Spike Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

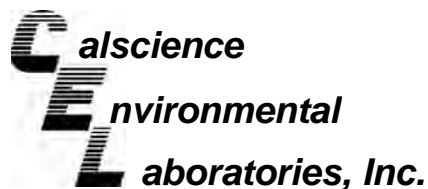
Date Received: 10/08/10  
Work Order No: 10-10-0717  
Preparation: EPA 5030C  
Method: EPA 8260B

Project DFSP NORWALK GWM / 746442

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| 10-10-0517-1              | Aqueous | GC/MS OO   | 10/11/10      | 10/11/10      | 101011S01           |

| Parameter                     | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|---------|----------|---------|-----|--------|------------|
| Benzene                       | 96      | 97       | 80-120  | 1   | 0-20   |            |
| Carbon Tetrachloride          | 100     | 99       | 55-151  | 0   | 0-20   |            |
| Chlorobenzene                 | 100     | 100      | 80-120  | 0   | 0-20   |            |
| 1,2-Dibromoethane             | 112     | 112      | 77-125  | 0   | 0-20   |            |
| 1,2-Dichlorobenzene           | 100     | 102      | 78-120  | 2   | 0-20   |            |
| 1,2-Dichloroethane            | 101     | 101      | 80-120  | 0   | 0-20   |            |
| 1,1-Dichloroethene            | 99      | 98       | 69-129  | 1   | 0-20   |            |
| Ethylbenzene                  | 101     | 100      | 73-127  | 1   | 0-20   |            |
| Toluene                       | 98      | 99       | 80-120  | 0   | 0-20   |            |
| Trichloroethene               | 99      | 101      | 67-133  | 2   | 0-20   |            |
| Vinyl Chloride                | 98      | 100      | 67-133  | 1   | 0-20   |            |
| Methyl-t-Butyl Ether (MTBE)   | 96      | 97       | 65-131  | 1   | 0-22   |            |
| Tert-Butyl Alcohol (TBA)      | 103     | 104      | 62-134  | 0   | 0-20   |            |
| Diisopropyl Ether (DIPE)      | 97      | 96       | 64-136  | 1   | 0-29   |            |
| Ethyl-t-Butyl Ether (ETBE)    | 97      | 96       | 70-124  | 1   | 0-20   |            |
| Tert-Amyl-Methyl Ether (TAME) | 98      | 98       | 71-125  | 0   | 0-20   |            |
| Ethanol                       | 119     | 109      | 44-152  | 9   | 0-43   |            |

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - LCS/LCS Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: N/A  
Work Order No: 10-10-0717  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM / 746442

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|-----------------------|
| 099-12-366-71             | Aqueous | GC 49      | 10/11/10      | 10/12/10      | 101011B16             |

| Parameter  | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|------------|----------|-----------|---------|-----|--------|------------|
| TPH as JP5 | 93       | 103       | 75-117  | 10  | 0-13   |            |

RPD - Relative Percent Difference , CL - Control Limit



Parsons, Inc.  
 100 West Walnut Street  
 Pasadena, CA 91124-0002

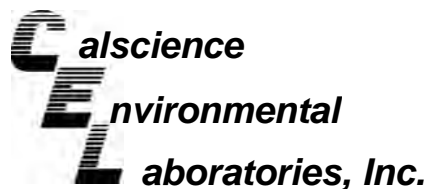
Date Received: N/A  
 Work Order No: 10-10-0717  
 Preparation: EPA 5030C  
 Method: EPA 8015B (M)

Project: DFSP NORWALK GWM / 746442

| Quality Control Sample ID | Matrix  | Instrument | Date Analyzed | Lab File ID | LCS Batch Number |
|---------------------------|---------|------------|---------------|-------------|------------------|
| 099-12-247-4,561          | Aqueous | GC 5       | 10/13/10      | 10101304    | 101013B01        |

| Parameter       | Conc Added | Conc Recovered | LCS %Rec | %Rec CL | Qualifiers |
|-----------------|------------|----------------|----------|---------|------------|
| TPH as Gasoline | 2000       | 1837           | 92       | 78-120  |            |

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - LCS/LCS Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: N/A  
Work Order No: 10-10-0717  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: DFSP NORWALK GWM / 746442

| Quality Control Sample ID     | Matrix         | Instrument      | Date Prepared   | Date Analyzed   | LCS/LCSD Batch Number |        |            |
|-------------------------------|----------------|-----------------|-----------------|-----------------|-----------------------|--------|------------|
| <b>099-14-001-2,203</b>       | <b>Aqueous</b> | <b>GC/MS OO</b> | <b>10/10/10</b> | <b>10/10/10</b> | <b>101010L01</b>      |        |            |
| Parameter                     | LCS %REC       | LCSD %REC       | %REC CL         | ME CL           | RPD                   | RPD CL | Qualifiers |
| Benzene                       | 96             | 97              | 80-120          | 73-127          | 1                     | 0-20   |            |
| Carbon Tetrachloride          | 99             | 99              | 67-139          | 55-151          | 0                     | 0-22   |            |
| Chlorobenzene                 | 98             | 99              | 80-120          | 73-127          | 1                     | 0-20   |            |
| 1,2-Dibromoethane             | 105            | 111             | 80-120          | 73-127          | 6                     | 0-20   |            |
| 1,2-Dichlorobenzene           | 101            | 101             | 79-120          | 72-127          | 0                     | 0-20   |            |
| 1,2-Dichloroethane            | 99             | 100             | 80-120          | 73-127          | 1                     | 0-20   |            |
| 1,1-Dichloroethene            | 103            | 102             | 71-125          | 62-134          | 1                     | 0-25   |            |
| Ethylbenzene                  | 99             | 100             | 80-123          | 73-130          | 1                     | 0-20   |            |
| Toluene                       | 96             | 97              | 80-120          | 73-127          | 1                     | 0-20   |            |
| Trichloroethene               | 101            | 101             | 80-120          | 73-127          | 0                     | 0-20   |            |
| Vinyl Chloride                | 93             | 94              | 68-140          | 56-152          | 2                     | 0-23   |            |
| Methyl-t-Butyl Ether (MTBE)   | 99             | 98              | 75-123          | 67-131          | 1                     | 0-25   |            |
| Tert-Butyl Alcohol (TBA)      | 101            | 99              | 72-126          | 63-135          | 2                     | 0-20   |            |
| Diisopropyl Ether (DIPE)      | 98             | 100             | 75-129          | 66-138          | 2                     | 0-22   |            |
| Ethyl-t-Butyl Ether (ETBE)    | 99             | 101             | 76-124          | 68-132          | 2                     | 0-20   |            |
| Tert-Amyl-Methyl Ether (TAME) | 99             | 99              | 79-121          | 72-128          | 0                     | 0-20   |            |
| Ethanol                       | 102            | 99              | 53-143          | 38-158          | 3                     | 0-25   |            |

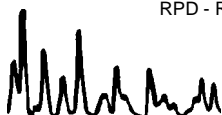
Total number of LCS compounds : 17

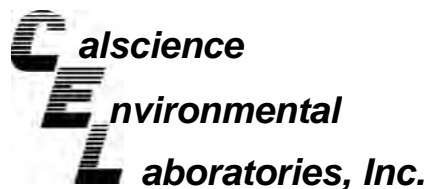
Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





## Quality Control - LCS/LCS Duplicate



Parsons, Inc.  
100 West Walnut Street  
Pasadena, CA 91124-0002

Date Received: N/A  
Work Order No: 10-10-0717  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: DFSP NORWALK GWM / 746442

| Quality Control Sample ID     | Matrix          | Instrument       | Date Prepared  | Date Analyzed | LCS/LCSD Batch Number |               |                   |
|-------------------------------|-----------------|------------------|----------------|---------------|-----------------------|---------------|-------------------|
| 099-14-001-2,205              | Aqueous         | GC/MS OO         | 10/11/10       | 10/11/10      | 101011L01             |               |                   |
| <u>Parameter</u>              | <u>LCS %REC</u> | <u>LCSD %REC</u> | <u>%REC CL</u> | <u>ME CL</u>  | <u>RPD</u>            | <u>RPD CL</u> | <u>Qualifiers</u> |
| Benzene                       | 95              | 97               | 80-120         | 73-127        | 1                     | 0-20          |                   |
| Carbon Tetrachloride          | 101             | 98               | 67-139         | 55-151        | 3                     | 0-22          |                   |
| Chlorobenzene                 | 100             | 100              | 80-120         | 73-127        | 0                     | 0-20          |                   |
| 1,2-Dibromoethane             | 109             | 115              | 80-120         | 73-127        | 5                     | 0-20          |                   |
| 1,2-Dichlorobenzene           | 100             | 99               | 79-120         | 72-127        | 1                     | 0-20          |                   |
| 1,2-Dichloroethane            | 99              | 102              | 80-120         | 73-127        | 4                     | 0-20          |                   |
| 1,1-Dichloroethene            | 99              | 100              | 71-125         | 62-134        | 0                     | 0-25          |                   |
| Ethylbenzene                  | 100             | 100              | 80-123         | 73-130        | 1                     | 0-20          |                   |
| Toluene                       | 97              | 98               | 80-120         | 73-127        | 1                     | 0-20          |                   |
| Trichloroethene               | 100             | 101              | 80-120         | 73-127        | 1                     | 0-20          |                   |
| Vinyl Chloride                | 99              | 100              | 68-140         | 56-152        | 2                     | 0-23          |                   |
| Methyl-t-Butyl Ether (MTBE)   | 96              | 101              | 75-123         | 67-131        | 6                     | 0-25          |                   |
| Tert-Butyl Alcohol (TBA)      | 101             | 102              | 72-126         | 63-135        | 1                     | 0-20          |                   |
| Diisopropyl Ether (DIPE)      | 97              | 101              | 75-129         | 66-138        | 3                     | 0-22          |                   |
| Ethyl-t-Butyl Ether (ETBE)    | 97              | 101              | 76-124         | 68-132        | 4                     | 0-20          |                   |
| Tert-Amyl-Methyl Ether (TAME) | 97              | 101              | 79-121         | 72-128        | 4                     | 0-20          |                   |
| Ethanol                       | 100             | 106              | 53-143         | 38-158        | 5                     | 0-25          |                   |

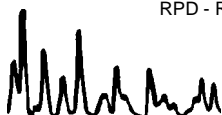
Total number of LCS compounds : 17

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

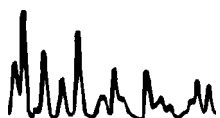


## Glossary of Terms and Qualifiers



Work Order Number: 10-10-0717

| <u>Qualifier</u> | <u>Definition</u>  |
|------------------|--|
| *                | See applicable analysis comment.   |
| <                | Less than the indicated value.   |
| >                | Greater than the indicated value.  |
| 1                | Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.   |
| 2                | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.                             |
| 3                | Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.    |
| 4                | The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.  |
| 5                | The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification. |
| B                | Analyte was present in the associated method blank.  |
| BU               | Sample analyzed after holding time expired.  |
| E                | Concentration exceeds the calibration range.   |
| ET               | Sample was extracted past end of recommended max. holding time.  |
| J                | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.  |
| ME               | LCS Recovery Percentage is within LCS ME Control Limit range.  |
| ND               | Parameter not detected at the indicated reporting limit.   |
| Q                | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.  |
| X                | % Recovery and/or RPD out-of-range.  |
| Z                | Analyte presence was not confirmed by second column or GC/MS analysis.<br>Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.   |



# Calscience Environmental Laboratories, Inc.

SoCal Laboratory  
 7440 Lincoln Way  
 Garden Grove, CA 92841-1427  
 (714) 895-5494

NorCal Service Center  
 5063 Commercial Circle, Suite H  
 Concord, CA 94520-8577  
 (925) 689-9022

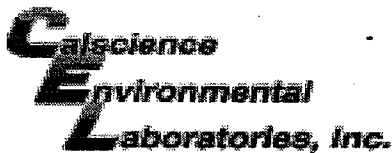
# CHAIN OF CUSTODY RECORD

Date 10/8/10  
 Page 1 of 1

|  |   |   |   |   |   |
|--|---|---|---|---|---|
| LABORATORY CLIENT: <b>PARSONS</b>  |   | CLIENT PROJECT NAME / NUMBER:<br><b>744412 DFSP NORWALK</b>   |   | P.O. NO.:   |   |
| ADDRESS: <b>100 W LAMONT ST.</b>   |   | PROJECT CONTACT:<br><b>MARY LUCAS</b>   |   | COOLER RECEIPT<br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |   |
| CITY: <b>PASADENA</b>  |   | SAMPLER(S): (PRINT)<br><b>MATTENIE</b>  |   | TEMP= _____ °C  |   |
| STATE: <b>CA</b>   |   | COELT LOG CODE<br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |   |   |   |
| ZIP: <b>91124</b>  |   | E-MAIL: <b>MARY.LUCAS@PARSONS.COM</b>   |   |   |   |
| TEL: <b>626-440-6032</b>   |   |   |   |   |   |
| TURNAROUND TIME:<br><input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> 10 DAYS |   |   |   |   |   |
| SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)<br><input type="checkbox"/> RWQCB REPORTING FORMS <input type="checkbox"/> COELT EDF <input type="checkbox"/>  |   |   |   |   |   |
| SPECIAL INSTRUCTIONS:  |   |   |   |   |   |
| <b>REQUESTED ANALYSES</b>  |   |   |   |   |   |
| TPH (g) by 6015<br>TPH (d) or (C7-C36) or (C7-C44)<br>TPH (AS AIR by 6015)   | TPH (g) by 6015<br>TPH (AS AIR by 6015) | BTEX / MTBE (8260B) or ( )<br>VOCs (8260B) by MTF, TSA<br>Oxygenates (8260B)  | Encore Prep (5035)<br>SVOCs (8270C)<br>Pesticides (8081A)   | PCBs (8082)<br>PNAs (8310) or (8270C)<br>T22 Metals (6010B/74X)<br>Cr(VI) [7196A or 7199 or 218.6]  | VOCs (TO-14A) or (TO-15)<br>TPH (g) [TO-3]+ |
| 1 TB-5   | 2 GMW-31                                | 3 PZ-3  | 4 GMW-12  | 5 GMW-44  | 6 GMW-43                                    |
| 7 GMW-19   | 8 GW-13                                 | 9 GW-2  | 10 GW-16  |   |   |
| LAE USE ONL  | NO. OF CONT.                            | MATRIX  | SAMPLING DATE   | TIME  |   |
|  |   |   | 10/8/10   | 0800  |   |
|  |   |   |   | 0752  |   |
|  |   |   |   | 0827  |   |
|  |   |   |   | 1042  |   |
|  |   |   |   | 1010  |   |
|  |   |   |   | 0917  |   |
|  |   |   |   | 1123  |   |
|  |   |   |   | 1212  |   |
|  |   |   |   | 1255  |   |
|  |   |   |   | 1335  |   |
|  |   |   | 10/8/10   |   |   |
| Relinquished by: (Signature)<br><b>MATT HANSEN</b>   |   |   | Received by: (Signature/Affiliation)<br><b>S. CUSTODIAN</b> |   |   |
| Relinquished by: (Signature)<br><b>APR</b>   |   |   | Received by: (Signature/Affiliation)<br><b>ABE</b>          |   |   |
| Relinquished by: (Signature)<br><b>APR</b>   |   |   | Received by: (Signature/Affiliation)<br><b>DANNY CUL</b>    |   |   |
| Date: <b>10/8/10</b>   |   |   | Date: <b>10/8/10</b>  |   |   |
| Time: <b>1410</b>  |   |   | Time: <b>1635</b>   |   |   |
| Date: <b>10/8/10</b>   |   |   | Date: <b>10/8/10</b>  |   |   |
| Time: <b>17:50</b>   |   |   | Time: <b>17:50</b>  |   |   |

DISTRIBUTION: White with final report, Green and Yellow to Client.  
 Please note that pages 1 and 2 of 2 of our TICs are printed on the reverse side of the Green and Yellow copies respectively.

10/01/07 Revision



WORK ORDER #: 10-10-0717

**SAMPLE RECEIPT FORM**

Cooler 1 of 1

CLIENT: Blaine Tech

DATE: 10/08/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0°C - 6.0°C, not frozen)

Temperature 1.6 °C + 0.5°C (CF) = 2.1 °C  Blank  Sample

- Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_).
- Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.
- Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature:  Air  Filter

Initial: AP

**CUSTODY SEALS INTACT:**

- Cooler  \_\_\_\_\_  No (Not Intact)  Not Present  N/A
- Sample  \_\_\_\_\_  No (Not Intact)  Not Present

Initial: AP  
Initial: TN

**SAMPLE CONDITION:**

|  | Yes                                 | No                       | N/A                                 |
|--|-------------------------------------|--------------------------|-------------------------------------|
| Chain-Of-Custody (COC) document(s) received with samples.....  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| COC document(s) received complete.....   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| <input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.                                |                                     |                          |                                     |
| <input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished. |                                     |                          |                                     |
| Sampler's name indicated on COC.....   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| Sample container label(s) consistent with COC.....   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| Sample container(s) intact and good condition.....   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| Proper containers and sufficient volume for analyses requested.....  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| Analyses received within holding time.....   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| pH / Residual Chlorine / Dissolved Sulfide received within 24 hours.....   | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Proper preservation noted on COC or sample container.....  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| <input type="checkbox"/> Unpreserved vials received for Volatiles analysis   |                                     |                          |                                     |
| Volatile analysis container(s) free of headspace.....  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| Tedlar bag(s) free of condensation.....  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

**CONTAINER TYPE:**

- Solid:  4ozCGJ  8ozCGJ  16ozCGJ  Sleeve (\_\_\_\_)  EnCores®  TerraCores®  \_\_\_\_\_
- Water:  VOA  VOAH  VOAna<sub>2</sub>  125AGB  125AGBh  125AGBp  1AGB  1AGBna<sub>2</sub>  1AGBs
- 500AGB  500AGJ  500AGJs  250AGB  250CGB  250CGBs  1PB  500PB  500PBna
- 250PB  250PBn  125PB  125PBzanna  100PJ  100PJna<sub>2</sub>  \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_

Air:  Tedlar®  Summa® Other:  \_\_\_\_\_ Trip Blank Lot#: \_\_\_\_\_ Labeled/Checked by: TN

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: AP

Preservative: h: HCL n: HNO<sub>3</sub> na<sub>2</sub>: Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> na: NaOH p: H<sub>3</sub>PO<sub>4</sub> s: H<sub>2</sub>SO<sub>4</sub> zna: ZnAc<sub>2</sub>+NaOH f: Field-filtered Scanned by: AP





# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135  
Date Received : 10/07/10

Job: KMEP DFSP Norwalk

Total Petroleum Hydrocarbons - Extractable (TPH-E) EPA Method SW8015B  
Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B

|              | Parameter           | Concentration               | Reporting Limit | Date Extracted | Date Analyzed  |          |
|--------------|---------------------|-----------------------------|-----------------|----------------|----------------|----------|
| Client ID :  | <b>GMW-O-3</b>      |                             |                 |                |                |          |
| Lab ID :     | CHH10100738-01A     | TPH-E (Fuel Product)        | ND              | 0.10 mg/L      | 10/08/10 11:56 | 10/08/10 |
| Date Sampled | 10/05/10 09:37      | Surr: Nonane                | 88              | (57-147) %REC  | 10/08/10 11:56 | 10/08/10 |
|              |                     | TPH-P (GRO)                 | ND              | 0.050 mg/L     | 10/12/10       | 10/12/10 |
|              |                     | Surr: 1,2-Dichloroethane-d4 | 102             | (70-130) %REC  | 10/12/10       | 10/12/10 |
|              |                     | Surr: Toluene-d8            | 104             | (70-130) %REC  | 10/12/10       | 10/12/10 |
|              |                     | Surr: 4-Bromofluorobenzene  | 104             | (70-130) %REC  | 10/12/10       | 10/12/10 |
| Client ID :  | <b>GMW-O-2</b>      |                             |                 |                |                |          |
| Lab ID :     | CHH10100738-02A     | TPH-E (Fuel Product)        | ND              | 0.10 mg/L      | 10/08/10 11:56 | 10/08/10 |
| Date Sampled | 10/05/10 10:10      | Surr: Nonane                | 98              | (57-147) %REC  | 10/08/10 11:56 | 10/08/10 |
|              |                     | TPH-P (GRO)                 | ND              | 0.050 mg/L     | 10/12/10       | 10/12/10 |
|              |                     | Surr: 1,2-Dichloroethane-d4 | 101             | (70-130) %REC  | 10/12/10       | 10/12/10 |
|              |                     | Surr: Toluene-d8            | 104             | (70-130) %REC  | 10/12/10       | 10/12/10 |
|              |                     | Surr: 4-Bromofluorobenzene  | 99              | (70-130) %REC  | 10/12/10       | 10/12/10 |
| Client ID :  | <b>GMW-O-4</b>      |                             |                 |                |                |          |
| Lab ID :     | CHH10100738-03A     | TPH-E (Fuel Product)        | ND              | 0.10 mg/L      | 10/08/10 11:56 | 10/08/10 |
| Date Sampled | 10/05/10 08:39      | Surr: Nonane                | 96              | (57-147) %REC  | 10/08/10 11:56 | 10/08/10 |
|              |                     | TPH-P (GRO)                 | ND              | 0.050 mg/L     | 10/12/10       | 10/12/10 |
|              |                     | Surr: 1,2-Dichloroethane-d4 | 101             | (70-130) %REC  | 10/12/10       | 10/12/10 |
|              |                     | Surr: Toluene-d8            | 104             | (70-130) %REC  | 10/12/10       | 10/12/10 |
|              |                     | Surr: 4-Bromofluorobenzene  | 99              | (70-130) %REC  | 10/12/10       | 10/12/10 |
| Client ID :  | <b>GMW-O-4(MID)</b> |                             |                 |                |                |          |
| Lab ID :     | CHH10100738-04A     | TPH-E (Fuel Product)        | ND              | 0.10 mg/L      | 10/08/10 11:56 | 10/08/10 |
| Date Sampled | 10/05/10 08:12      | Surr: Nonane                | 89              | (57-147) %REC  | 10/08/10 11:56 | 10/08/10 |
|              |                     | TPH-P (GRO)                 | ND              | 0.050 mg/L     | 10/12/10       | 10/12/10 |
|              |                     | Surr: 1,2-Dichloroethane-d4 | 100             | (70-130) %REC  | 10/12/10       | 10/12/10 |
|              |                     | Surr: Toluene-d8            | 105             | (70-130) %REC  | 10/12/10       | 10/12/10 |
|              |                     | Surr: 4-Bromofluorobenzene  | 100             | (70-130) %REC  | 10/12/10       | 10/12/10 |
| Client ID :  | <b>GMW-O-9</b>      |                             |                 |                |                |          |
| Lab ID :     | CHH10100738-05A     | TPH-E (Fuel Product)        | ND              | 0.10 mg/L      | 10/08/10 11:56 | 10/08/10 |
| Date Sampled | 10/05/10 10:40      | Surr: Nonane                | 114             | (57-147) %REC  | 10/08/10 11:56 | 10/08/10 |
|              |                     | TPH-P (GRO)                 | ND              | 0.050 mg/L     | 10/12/10       | 10/12/10 |
|              |                     | Surr: 1,2-Dichloroethane-d4 | 101             | (70-130) %REC  | 10/12/10       | 10/12/10 |
|              |                     | Surr: Toluene-d8            | 104             | (70-130) %REC  | 10/12/10       | 10/12/10 |
|              |                     | Surr: 4-Bromofluorobenzene  | 101             | (70-130) %REC  | 10/12/10       | 10/12/10 |
| Client ID :  | <b>GMW-O-8</b>      |                             |                 |                |                |          |
| Lab ID :     | CHH10100738-06A     | TPH-E (Fuel Product)        | ND              | 0.10 mg/L      | 10/08/10 11:56 | 10/08/10 |
| Date Sampled | 10/05/10 11:35      | Surr: Nonane                | 95              | (57-147) %REC  | 10/08/10 11:56 | 10/08/10 |
|              |                     | TPH-P (GRO)                 | ND              | 0.050 mg/L     | 10/12/10       | 10/12/10 |
|              |                     | Surr: 1,2-Dichloroethane-d4 | 104             | (70-130) %REC  | 10/12/10       | 10/12/10 |
|              |                     | Surr: Toluene-d8            | 106             | (70-130) %REC  | 10/12/10       | 10/12/10 |
|              |                     | Surr: 4-Bromofluorobenzene  | 99              | (70-130) %REC  | 10/12/10       | 10/12/10 |



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|              |                 |                             |      |               |                |                |          |
|--------------|-----------------|-----------------------------|------|---------------|----------------|----------------|----------|
| Client ID :  | <b>GMW-O-1</b>  |                             |      |               |                |                |          |
| Lab ID :     | CHH10100738-07A | TPH-E (Fuel Product)        | ND   | 0.10 mg/L     | 10/08/10 11:56 | 10/08/10       |          |
| Date Sampled | 10/05/10 12:06  | Surr: Nonane                | 88   | (57-147) %REC | 10/08/10 11:56 | 10/08/10       |          |
|              |                 | TPH-P (GRO)                 | ND   | 0.050 mg/L    | 10/12/10       | 10/12/10       |          |
|              |                 | Surr: 1,2-Dichloroethane-d4 | 103  | (70-130) %REC | 10/12/10       | 10/12/10       |          |
|              |                 | Surr: Toluene-d8            | 106  | (70-130) %REC | 10/12/10       | 10/12/10       |          |
|              |                 | Surr: 4-Bromofluorobenzene  | 95   | (70-130) %REC | 10/12/10       | 10/12/10       |          |
| Client ID :  | <b>GMW-36</b>   |                             |      |               |                |                |          |
| Lab ID :     | CHH10100738-09A | TPH-E (Fuel Product)        | 3.1  | **            | 0.10 mg/L      | 10/08/10 11:56 | 10/08/10 |
| Date Sampled | 10/05/10 13:26  | Surr: Nonane                | 0    | S51           | (57-147) %REC  | 10/08/10 11:56 | 10/08/10 |
|              |                 | TPH-P (GRO)                 | 15   |               | 2.0 mg/L       | 10/12/10       | 10/12/10 |
|              |                 | Surr: 1,2-Dichloroethane-d4 | 102  |               | (70-130) %REC  | 10/12/10       | 10/12/10 |
|              |                 | Surr: Toluene-d8            | 98   |               | (70-130) %REC  | 10/12/10       | 10/12/10 |
|              |                 | Surr: 4-Bromofluorobenzene  | 96   |               | (70-130) %REC  | 10/12/10       | 10/12/10 |
| Client ID :  | <b>GMW-O-15</b> |                             |      |               |                |                |          |
| Lab ID :     | CHH10100738-10A | TPH-E (Fuel Product)        | 6.0  | **            | 0.10 mg/L      | 10/08/10 11:56 | 10/08/10 |
| Date Sampled | 10/05/10 14:06  | Surr: Nonane                | 0    | S51           | (57-147) %REC  | 10/08/10 11:56 | 10/08/10 |
|              |                 | TPH-P (GRO)                 | 14   |               | 2.0 mg/L       | 10/12/10       | 10/12/10 |
|              |                 | Surr: 1,2-Dichloroethane-d4 | 101  |               | (70-130) %REC  | 10/12/10       | 10/12/10 |
|              |                 | Surr: Toluene-d8            | 98   |               | (70-130) %REC  | 10/12/10       | 10/12/10 |
|              |                 | Surr: 4-Bromofluorobenzene  | 98   |               | (70-130) %REC  | 10/12/10       | 10/12/10 |
| Client ID :  | <b>MW-SF-12</b> |                             |      |               |                |                |          |
| Lab ID :     | CHH10100738-11A | TPH-E (Fuel Product)        | 1.9  | **            | 0.10 mg/L      | 10/08/10 11:56 | 10/08/10 |
| Date Sampled | 10/05/10 12:59  | Surr: Nonane                | 85   |               | (57-147) %REC  | 10/08/10 11:56 | 10/08/10 |
|              |                 | TPH-P (GRO)                 | 17   |               | 5.0 mg/L       | 10/12/10       | 10/12/10 |
|              |                 | Surr: 1,2-Dichloroethane-d4 | 98   |               | (70-130) %REC  | 10/12/10       | 10/12/10 |
|              |                 | Surr: Toluene-d8            | 100  |               | (70-130) %REC  | 10/12/10       | 10/12/10 |
|              |                 | Surr: 4-Bromofluorobenzene  | 101  |               | (70-130) %REC  | 10/12/10       | 10/12/10 |
| Client ID :  | <b>DUP-5</b>    |                             |      |               |                |                |          |
| Lab ID :     | CHH10100738-12A | TPH-E (Fuel Product)        | 1.8  | **            | 0.10 mg/L      | 10/08/10 11:56 | 10/08/10 |
| Date Sampled | 10/05/10 00:00  | Surr: Nonane                | 85   |               | (57-147) %REC  | 10/08/10 11:56 | 10/08/10 |
|              |                 | TPH-P (GRO)                 | 18   |               | 5.0 mg/L       | 10/13/10       | 10/13/10 |
|              |                 | Surr: 1,2-Dichloroethane-d4 | 99   |               | (70-130) %REC  | 10/13/10       | 10/13/10 |
|              |                 | Surr: Toluene-d8            | 101  |               | (70-130) %REC  | 10/13/10       | 10/13/10 |
|              |                 | Surr: 4-Bromofluorobenzene  | 100  |               | (70-130) %REC  | 10/13/10       | 10/13/10 |
| Client ID :  | <b>MW-SF-11</b> |                             |      |               |                |                |          |
| Lab ID :     | CHH10100738-13A | TPH-E (Fuel Product)        | 0.65 | **            | 0.10 mg/L      | 10/08/10 11:56 | 10/08/10 |
| Date Sampled | 10/05/10 12:31  | Surr: Nonane                | 84   |               | (57-147) %REC  | 10/08/10 11:56 | 10/08/10 |
|              |                 | TPH-P (GRO)                 | 7.8  |               | 3.0 mg/L       | 10/12/10       | 10/12/10 |
|              |                 | Surr: 1,2-Dichloroethane-d4 | 100  |               | (70-130) %REC  | 10/12/10       | 10/12/10 |
|              |                 | Surr: Toluene-d8            | 101  |               | (70-130) %REC  | 10/12/10       | 10/12/10 |
|              |                 | Surr: 4-Bromofluorobenzene  | 95   |               | (70-130) %REC  | 10/12/10       | 10/12/10 |
| Client ID :  | <b>EB-3</b>     |                             |      |               |                |                |          |
| Lab ID :     | CHH10100738-14A | TPH-E (Fuel Product)        | ND   |               | 0.10 mg/L      | 10/08/10 11:56 | 10/08/10 |
| Date Sampled | 10/05/10 14:45  | Surr: Nonane                | 86   |               | (57-147) %REC  | 10/08/10 11:56 | 10/08/10 |
|              |                 | TPH-P (GRO)                 | ND   |               | 0.050 mg/L     | 10/12/10       | 10/12/10 |
|              |                 | Surr: 1,2-Dichloroethane-d4 | 103  |               | (70-130) %REC  | 10/12/10       | 10/12/10 |
|              |                 | Surr: Toluene-d8            | 103  |               | (70-130) %REC  | 10/12/10       | 10/12/10 |
|              |                 | Surr: 4-Bromofluorobenzene  | 98   |               | (70-130) %REC  | 10/12/10       | 10/12/10 |
| Client ID :  | <b>EB-4</b>     |                             |      |               |                |                |          |
| Lab ID :     | CHH10100738-15A | TPH-E (Fuel Product)        | ND   |               | 0.10 mg/L      | 10/08/10 11:56 | 10/08/10 |
| Date Sampled | 10/05/10 14:50  | Surr: Nonane                | 98   |               | (57-147) %REC  | 10/08/10 11:56 | 10/08/10 |
|              |                 | TPH-P (GRO)                 | ND   |               | 0.050 mg/L     | 10/12/10       | 10/12/10 |
|              |                 | Surr: 1,2-Dichloroethane-d4 | 101  |               | (70-130) %REC  | 10/12/10       | 10/12/10 |
|              |                 | Surr: Toluene-d8            | 101  |               | (70-130) %REC  | 10/12/10       | 10/12/10 |
|              |                 | Surr: 4-Bromofluorobenzene  | 98   |               | (70-130) %REC  | 10/12/10       | 10/12/10 |



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|                             |                 |                             |      |     |               |                |          |
|-----------------------------|-----------------|-----------------------------|------|-----|---------------|----------------|----------|
| Client ID : <b>MW-15</b>    |                 |                             |      |     |               |                |          |
| Lab ID :                    | CHH10100738-16A | TPH-E (Fuel Product)        | 47   | *   | 0.10 mg/L     | 10/08/10 11:56 | 10/09/10 |
| Date Sampled                | 10/05/10 07:54  | Surr: Nonane                | 127  |     | (57-147) %REC | 10/08/10 11:56 | 10/09/10 |
|                             |                 | TPH-P (GRO)                 | 1.1  |     | 0.20 mg/L     | 10/13/10       | 10/13/10 |
|                             |                 | Surr: 1,2-Dichloroethane-d4 | 96   |     | (70-130) %REC | 10/13/10       | 10/13/10 |
|                             |                 | Surr: Toluene-d8            | 100  |     | (70-130) %REC | 10/13/10       | 10/13/10 |
|                             |                 | Surr: 4-Bromofluorobenzene  | 100  |     | (70-130) %REC | 10/13/10       | 10/13/10 |
| Client ID : <b>MW-O-2</b>   |                 |                             |      |     |               |                |          |
| Lab ID :                    | CHH10100738-17A | TPH-E (Fuel Product)        | 0.54 | *   | 0.10 mg/L     | 10/08/10 11:56 | 10/09/10 |
| Date Sampled                | 10/05/10 14:16  | Surr: Nonane                | 103  |     | (57-147) %REC | 10/08/10 11:56 | 10/09/10 |
|                             |                 | TPH-P (GRO)                 | 0.57 |     | 0.10 mg/L     | 10/12/10       | 10/12/10 |
|                             |                 | Surr: 1,2-Dichloroethane-d4 | 101  |     | (70-130) %REC | 10/12/10       | 10/12/10 |
|                             |                 | Surr: Toluene-d8            | 97   |     | (70-130) %REC | 10/12/10       | 10/12/10 |
|                             |                 | Surr: 4-Bromofluorobenzene  | 93   |     | (70-130) %REC | 10/12/10       | 10/12/10 |
| Client ID : <b>GMW-O-18</b> |                 |                             |      |     |               |                |          |
| Lab ID :                    | CHH10100738-18A | TPH-E (Fuel Product)        | 1.1  | *   | 0.10 mg/L     | 10/08/10 11:56 | 10/09/10 |
| Date Sampled                | 10/05/10 13:39  | Surr: Nonane                | 90   |     | (57-147) %REC | 10/08/10 11:56 | 10/09/10 |
|                             |                 | TPH-P (GRO)                 | 4.0  |     | 1.0 mg/L      | 10/12/10       | 10/12/10 |
|                             |                 | Surr: 1,2-Dichloroethane-d4 | 102  |     | (70-130) %REC | 10/12/10       | 10/12/10 |
|                             |                 | Surr: Toluene-d8            | 100  |     | (70-130) %REC | 10/12/10       | 10/12/10 |
|                             |                 | Surr: 4-Bromofluorobenzene  | 95   |     | (70-130) %REC | 10/12/10       | 10/12/10 |
| Client ID : <b>DUP-4</b>    |                 |                             |      |     |               |                |          |
| Lab ID :                    | CHH10100738-19A | TPH-E (Fuel Product)        | 1.7  | *   | 0.10 mg/L     | 10/08/10 11:56 | 10/09/10 |
| Date Sampled                | 10/05/10 00:00  | Surr: Nonane                | 93   |     | (57-147) %REC | 10/08/10 11:56 | 10/09/10 |
|                             |                 | TPH-P (GRO)                 | 3.7  |     | 1.0 mg/L      | 10/12/10       | 10/12/10 |
|                             |                 | Surr: 1,2-Dichloroethane-d4 | 101  |     | (70-130) %REC | 10/12/10       | 10/12/10 |
|                             |                 | Surr: Toluene-d8            | 99   |     | (70-130) %REC | 10/12/10       | 10/12/10 |
|                             |                 | Surr: 4-Bromofluorobenzene  | 98   |     | (70-130) %REC | 10/12/10       | 10/12/10 |
| Client ID : <b>MW-SF-13</b> |                 |                             |      |     |               |                |          |
| Lab ID :                    | CHH10100738-20A | TPH-E (Fuel Product)        | 2.9  | *C  | 0.10 mg/L     | 10/08/10 11:56 | 10/09/10 |
| Date Sampled                | 10/05/10 12:59  | Surr: Nonane                | 91   |     | (57-147) %REC | 10/08/10 11:56 | 10/09/10 |
|                             |                 | TPH-P (GRO)                 | 9.0  |     | 2.0 mg/L      | 10/12/10       | 10/12/10 |
|                             |                 | Surr: 1,2-Dichloroethane-d4 | 100  |     | (70-130) %REC | 10/12/10       | 10/12/10 |
|                             |                 | Surr: Toluene-d8            | 98   |     | (70-130) %REC | 10/12/10       | 10/12/10 |
|                             |                 | Surr: 4-Bromofluorobenzene  | 98   |     | (70-130) %REC | 10/12/10       | 10/12/10 |
| Client ID : <b>MW-SF-15</b> |                 |                             |      |     |               |                |          |
| Lab ID :                    | CHH10100738-21A | TPH-E (Fuel Product)        | 2.0  | **  | 0.10 mg/L     | 10/08/10 11:56 | 10/09/10 |
| Date Sampled                | 10/05/10 12:33  | Surr: Nonane                | 92   |     | (57-147) %REC | 10/08/10 11:56 | 10/09/10 |
|                             |                 | TPH-P (GRO)                 | 8.6  |     | 2.0 mg/L      | 10/12/10       | 10/12/10 |
|                             |                 | Surr: 1,2-Dichloroethane-d4 | 110  |     | (70-130) %REC | 10/12/10       | 10/12/10 |
|                             |                 | Surr: Toluene-d8            | 99   |     | (70-130) %REC | 10/12/10       | 10/12/10 |
|                             |                 | Surr: 4-Bromofluorobenzene  | 98   |     | (70-130) %REC | 10/12/10       | 10/12/10 |
| Client ID : <b>DUP-6</b>    |                 |                             |      |     |               |                |          |
| Lab ID :                    | CHH10100738-22A | TPH-E (Fuel Product)        | 3.4  | *   | 0.10 mg/L     | 10/08/10 13:25 | 10/08/10 |
| Date Sampled                | 10/05/10 00:00  | Surr: Nonane                | 114  |     | (57-147) %REC | 10/08/10 13:25 | 10/08/10 |
|                             |                 | TPH-P (GRO)                 | 8.6  |     | 2.0 mg/L      | 10/12/10       | 10/12/10 |
|                             |                 | Surr: 1,2-Dichloroethane-d4 | 110  |     | (70-130) %REC | 10/12/10       | 10/12/10 |
|                             |                 | Surr: Toluene-d8            | 98   |     | (70-130) %REC | 10/12/10       | 10/12/10 |
|                             |                 | Surr: 4-Bromofluorobenzene  | 98   |     | (70-130) %REC | 10/12/10       | 10/12/10 |
| Client ID : <b>MW-SF-2</b>  |                 |                             |      |     |               |                |          |
| Lab ID :                    | CHH10100738-23A | TPH-E (Fuel Product)        | 180  | *   | 1.0 mg/L      | 10/08/10 13:25 | 10/08/10 |
| Date Sampled                | 10/05/10 11:33  | Surr: Nonane                | 0    | S50 | (57-147) %REC | 10/08/10 13:25 | 10/08/10 |
|                             |                 | TPH-P (GRO)                 | 110  |     | 20 mg/L       | 10/12/10       | 10/12/10 |
|                             |                 | Surr: 1,2-Dichloroethane-d4 | 109  |     | (70-130) %REC | 10/12/10       | 10/12/10 |
|                             |                 | Surr: Toluene-d8            | 98   |     | (70-130) %REC | 10/12/10       | 10/12/10 |
|                             |                 | Surr: 4-Bromofluorobenzene  | 99   |     | (70-130) %REC | 10/12/10       | 10/12/10 |



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|-----------------------------|-----------------|-----------------------------|-----|-----|---------------|----------------|----------|
| <b>Client ID : GMW-O-12</b> |                 |                             |     |     |               |                |          |
| Lab ID :                    | CHH10100738-24A | TPH-E (Fuel Product)        | 99  | *   | 1.0 mg/L      | 10/08/10 13:25 | 10/08/10 |
| Date Sampled                | 10/05/10 10:51  | Surr: Nonane                | 0   | S50 | (57-147) %REC | 10/08/10 13:25 | 10/08/10 |
|                             |                 | TPH-P (GRO)                 | 23  |     | 10 mg/L       | 10/12/10       | 10/12/10 |
|                             |                 | Surr: 1,2-Dichloroethane-d4 | 112 |     | (70-130) %REC | 10/12/10       | 10/12/10 |
|                             |                 | Surr: Toluene-d8            | 99  |     | (70-130) %REC | 10/12/10       | 10/12/10 |
|                             |                 | Surr: 4-Bromofluorobenzene  | 98  |     | (70-130) %REC | 10/12/10       | 10/12/10 |
| <b>Client ID : GMW-O-20</b> |                 |                             |     |     |               |                |          |
| Lab ID :                    | CHH10100738-25A | TPH-E (Fuel Product)        | 150 | *   | 1.0 mg/L      | 10/08/10 13:25 | 10/09/10 |
| Date Sampled                | 10/05/10 10:17  | Surr: Nonane                | 0   | S50 | (57-147) %REC | 10/08/10 13:25 | 10/09/10 |
|                             |                 | TPH-P (GRO)                 | 46  |     | 20 mg/L       | 10/12/10       | 10/12/10 |
|                             |                 | Surr: 1,2-Dichloroethane-d4 | 111 |     | (70-130) %REC | 10/12/10       | 10/12/10 |
|                             |                 | Surr: Toluene-d8            | 99  |     | (70-130) %REC | 10/12/10       | 10/12/10 |
|                             |                 | Surr: 4-Bromofluorobenzene  | 98  |     | (70-130) %REC | 10/12/10       | 10/12/10 |
| <b>Client ID : MW-SF-10</b> |                 |                             |     |     |               |                |          |
| Lab ID :                    | CHH10100738-26A | TPH-E (Fuel Product)        | 220 | *   | 1.0 mg/L      | 10/08/10 13:25 | 10/09/10 |
| Date Sampled                | 10/05/10 09:20  | Surr: Nonane                | 0   | S50 | (57-147) %REC | 10/08/10 13:25 | 10/09/10 |
|                             |                 | TPH-P (GRO)                 | 30  |     | 3.0 mg/L      | 10/12/10       | 10/12/10 |
|                             |                 | Surr: 1,2-Dichloroethane-d4 | 108 |     | (70-130) %REC | 10/12/10       | 10/12/10 |
|                             |                 | Surr: Toluene-d8            | 97  |     | (70-130) %REC | 10/12/10       | 10/12/10 |
|                             |                 | Surr: 4-Bromofluorobenzene  | 99  |     | (70-130) %REC | 10/12/10       | 10/12/10 |
| <b>Client ID : GMW-4</b>    |                 |                             |     |     |               |                |          |
| Lab ID :                    | CHH10100738-27A | TPH-E (Fuel Product)        | 15  | *   | 1.0 mg/L      | 10/08/10 13:25 | 10/09/10 |
| Date Sampled                | 10/05/10 08:31  | Surr: Nonane                | 0   | S50 | (57-147) %REC | 10/08/10 13:25 | 10/09/10 |
|                             |                 | TPH-P (GRO)                 | 1.3 |     | 0.20 mg/L     | 10/12/10       | 10/12/10 |
|                             |                 | Surr: 1,2-Dichloroethane-d4 | 108 |     | (70-130) %REC | 10/12/10       | 10/12/10 |
|                             |                 | Surr: Toluene-d8            | 98  |     | (70-130) %REC | 10/12/10       | 10/12/10 |
|                             |                 | Surr: 4-Bromofluorobenzene  | 101 |     | (70-130) %REC | 10/12/10       | 10/12/10 |

\*\*Note: Reported TPH-E (Fuel Product) may contain undifferentiated diesel range hydrocarbons.

\*Note: Reported TPH-E (Fuel Product) is composed primarily of diesel range hydrocarbons.

C = Reported concentration includes additional compounds uncharacteristic of common fuels and lubricants.

Gasoline Range Organics (GRO) C4-C13

S50 = The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The laboratory control sample was acceptable.

S51 = Surrogate recovery could not be determined due to the presence of co-eluting hydrocarbons.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

10/14/10

Report Date



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100738-01A  
Client I.D. Number: GMW-O-3

Sampled: 10/05/10 09:37  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 2.0 µg/L        | 46 Ethylbenzene                       | ND            | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 0.50 µg/L       | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 2.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 10 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 2.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 10 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 2.5 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 50 µg/L         | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 10 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 5.0 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 0.50 µg/L       | 68 1,2,4-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 102           | (70-130) %REC   |
| 28 Benzene                           | ND            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 104           | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 104           | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 0.50 µg/L       |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 0.50 µg/L       |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 5.0 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

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10/14/10

Report Date



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100738-02A  
Client I.D. Number: GMW-O-2

Sampled: 10/05/10 10:10  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 2.0 µg/L        | 46 Ethylbenzene                       | ND            | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 0.50 µg/L       | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 2.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 10 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 2.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 10 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 2.5 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 50 µg/L         | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 10 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 5.0 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 0.50 µg/L       | 68 1,2,4-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 101           | (70-130) %REC   |
| 28 Benzene                           | ND            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 104           | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 99            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 0.50 µg/L       |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 0.50 µg/L       |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 5.0 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
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10/14/10

Report Date

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## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100738-03A  
Client I.D. Number: GMW-O-4

Sampled: 10/05/10 08:39  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 2.0 µg/L        | 46 Ethylbenzene                       | ND            | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 0.50 µg/L       | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 2.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 10 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 2.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 10 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 2.5 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 50 µg/L         | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 10 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 5.0 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 0.50 µg/L       | 68 1,2,4-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 101           | (70-130) %REC   |
| 28 Benzene                           | ND            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 104           | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 99            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 0.50 µg/L       |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 0.50 µg/L       |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 5.0 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

ND = Not Detected

*Roger Scholl*

*Randy Gardner*

*Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer  
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*PS*

10/14/10

Report Date

Page 1 of 1



# Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100738-04A  
Client I.D. Number: GMW-O-4(MID)

Sampled: 10/05/10 08:12  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 2.0 µg/L        | 46 Ethylbenzene                       | ND            | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 0.50 µg/L       | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 2.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 10 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 2.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 10 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 2.5 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 50 µg/L         | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 10 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 5.0 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 0.50 µg/L       | 68 1,2,4-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 100           | (70-130) %REC   |
| 28 Benzene                           | ND            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 105           | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 100           | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 0.50 µg/L       |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 0.50 µg/L       |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 5.0 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

ND = Not Detected

*Roger Scholl*

*Randy Gardner*

*Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

*JS*

10/14/10

Report Date





# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100738-05A  
Client I.D. Number: GMW-O-9

Sampled: 10/05/10 10:40  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 2.0 µg/L        | 46 Ethylbenzene                       | ND            | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 0.50 µg/L       | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 2.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 10 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 2.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 10 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 2.5 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 50 µg/L         | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 10 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 5.0 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 0.50 µg/L       | 68 1,2,4-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Dichlorobenzene              | ND            | 2.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 101           | (70-130) %REC   |
| 28 Benzene                           | ND            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 104           | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 101           | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 0.50 µg/L       |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 0.50 µg/L       |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 5.0 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

ND = Not Detected

*Roger Scholl*

*Randy Gardner*

*Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

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*RS*

10/14/10

Report Date

Page 1 of 1



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100738-06A  
Client I.D. Number: GMW-O-8

Sampled: 10/05/10 11:35  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 2.0 µg/L        | 46 Ethylbenzene                       | ND            | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 0.50 µg/L       | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 2.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 10 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 2.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 10 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 2.5 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 50 µg/L         | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 10 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 5.0 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 0.50 µg/L       | 68 1,2,4-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 104           | (70-130) %REC   |
| 28 Benzene                           | ND            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 106           | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 99            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 0.50 µg/L       |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 0.50 µg/L       |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 5.0 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

ND = Not Detected

*Roger Scholl*

*Randy Gardner*

*Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

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*PS*

10/14/10

Report Date

Page 1 of 1



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100738-07A  
Client I.D. Number: GMW-O-1

Sampled: 10/05/10 12:06  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 2.0 µg/L        | 46 Ethylbenzene                       | ND            | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 0.50 µg/L       | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 2.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 10 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 2.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 10 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 2.5 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 50 µg/L         | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 10 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 5.0 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 0.50 µg/L       | 68 1,2,4-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 103           | (70-130) %REC   |
| 28 Benzene                           | ND            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 106           | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 95            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 0.50 µg/L       |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 0.50 µg/L       |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 5.0 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

ND = Not Detected

*Roger Scholl*

*Randy Gardner*

*Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
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*PS*

10/14/10

Report Date



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100738-08A  
Client I.D. Number: TB-2

Sampled: 10/05/10 07:00  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 2.0 µg/L        | 46 Ethylbenzene                       | ND            | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 0.50 µg/L       | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 2.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 10 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 2.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 10 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 2.5 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 50 µg/L         | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 10 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 5.0 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 0.50 µg/L       | 68 1,2,4-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 101           | (70-130) %REC   |
| 28 Benzene                           | ND            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 102           | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 97            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 0.50 µg/L       |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 0.50 µg/L       |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 5.0 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

ND = Not Detected

*Roger Scholl*

*Randy Gardner*

*Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
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Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

*PS*

10/14/10

Report Date

Page 1 of 1



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100738-09A  
Client I.D. Number: GMW-36

Sampled: 10/05/10 13:26  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 20 µg/L         | 45 Chlorobenzene                      | ND            | 20 µg/L         |
| 2 Chloromethane                      | ND            | 80 µg/L         | 46 Ethylbenzene                       | 390           | 10 µg/L         |
| 3 Vinyl chloride                     | ND            | 20 µg/L         | 47 m,p-Xylene                         | 1,200         | 10 µg/L         |
| 4 Chloroethane                       | ND            | 20 µg/L         | 48 Bromoform                          | ND            | 20 µg/L         |
| 5 Bromomethane                       | ND            | 80 µg/L         | 49 Styrene                            | ND            | 20 µg/L         |
| 6 Trichlorofluoromethane             | ND            | 20 µg/L         | 50 o-Xylene                           | 590           | 10 µg/L         |
| 7 Acetone                            | 400 µg/L      | 400 µg/L        | 51 1,1,2,2-Tetrachloroethane          | ND            | 20 µg/L         |
| 8 1,1-Dichloroethene                 | ND            | 20 µg/L         | 52 1,2,3-Trichloropropane             | ND            | 80 µg/L         |
| 9 Tertiary Butyl Alcohol (TBA)       | 1,300         | 200 µg/L        | 53 Isopropylbenzene                   | ND            | 20 µg/L         |
| 10 Dichloromethane                   | ND            | 80 µg/L         | 54 Bromobenzene                       | ND            | 20 µg/L         |
| 11 Freon-113                         | ND            | 20 µg/L         | 55 n-Propylbenzene                    | 25            | 20 µg/L         |
| 12 Carbon disulfide                  | ND            | 100 µg/L        | 56 4-Chlorotoluene                    | ND            | 20 µg/L         |
| 13 trans-1,2-Dichloroethene          | ND            | 20 µg/L         | 57 2-Chlorotoluene                    | ND            | 20 µg/L         |
| 14 Methyl tert-butyl ether (MTBE)    | 30            | 10 µg/L         | 58 1,3,5-Trimethylbenzene             | 120           | 20 µg/L         |
| 15 1,1-Dichloroethane                | ND            | 20 µg/L         | 59 tert-Butylbenzene                  | ND            | 20 µg/L         |
| 16 Vinyl acetate                     | ND            | 2,000 µg/L      | 60 1,2,4-Trimethylbenzene             | 420           | 20 µg/L         |
| 17 2-Butanone (MEK)                  | ND            | 400 µg/L        | 61 sec-Butylbenzene                   | ND            | 20 µg/L         |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 20 µg/L         | 62 1,3-Dichlorobenzene                | ND            | 20 µg/L         |
| 19 cis-1,2-Dichloroethene            | ND            | 20 µg/L         | 63 1,4-Dichlorobenzene                | ND            | 20 µg/L         |
| 20 Bromochloromethane                | ND            | 20 µg/L         | 64 4-Isopropyltoluene                 | ND            | 20 µg/L         |
| 21 Chloroform                        | ND            | 20 µg/L         | 65 1,2-Dichlorobenzene                | ND            | 20 µg/L         |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 20 µg/L         | 66 n-Butylbenzene                     | ND            | 20 µg/L         |
| 23 2,2-Dichloropropane               | ND            | 20 µg/L         | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 120 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 20 µg/L         | 68 1,2,4-Trichlorobenzene             | ND            | 80 µg/L         |
| 25 1,1,1-Trichloroethane             | ND            | 20 µg/L         | 69 Naphthalene                        | 180           | 100 µg/L        |
| 26 1,1-Dichloropropene               | ND            | 20 µg/L         | 70 1,2,3-Trichlorobenzene             | ND            | 80 µg/L         |
| 27 Carbon tetrachloride              | ND            | 20 µg/L         | 71 Surr: 1,2-Dichloroethane-d4        | 102           | (70-130) %REC   |
| 28 Benzene                           | 2,500         | 10 µg/L         | 72 Surr: Toluene-d8                   | 98            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 20 µg/L         | 73 Surr: 4-Bromofluorobenzene         | 96            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 20 µg/L         |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 20 µg/L         |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 20 µg/L         |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 20 µg/L         |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 100 µg/L        |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 20 µg/L         |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 20 µg/L         |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 20 µg/L         |                                       |               |                 |
| 38 Toluene                           | 1,300         | 10 µg/L         |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 20 µg/L         |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 200 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 20 µg/L         |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 40 µg/L         |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 20 µg/L         |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 20 µg/L         |                                       |               |                 |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
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10/14/10

Report Date

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.



# Alpha Analytical, Inc.

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## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100738-10A  
Client I.D. Number: GMW-O-15

Sampled: 10/05/10 14:06  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 20 µg/L         | 45 Chlorobenzene                      | ND            | 20 µg/L         |
| 2 Chloromethane                      | ND            | 80 µg/L         | 46 Ethylbenzene                       | 92            | 10 µg/L         |
| 3 Vinyl chloride                     | ND            | 20 µg/L         | 47 m,p-Xylene                         | 760           | 10 µg/L         |
| 4 Chloroethane                       | ND            | 20 µg/L         | 48 Bromoform                          | ND            | 20 µg/L         |
| 5 Bromomethane                       | ND            | 80 µg/L         | 49 Styrene                            | ND            | 20 µg/L         |
| 6 Trichlorofluoromethane             | ND            | 20 µg/L         | 50 o-Xylene                           | 360           | 10 µg/L         |
| 7 Acetone                            | ND            | 400 µg/L        | 51 1,1,2,2-Tetrachloroethane          | ND            | 20 µg/L         |
| 8 1,1-Dichloroethene                 | ND            | 20 µg/L         | 52 1,2,3-Trichloropropane             | ND            | 80 µg/L         |
| 9 Tertiary Butyl Alcohol (TBA)       | 3,000         | 200 µg/L        | 53 Isopropylbenzene                   | ND            | 20 µg/L         |
| 10 Dichloromethane                   | ND            | 80 µg/L         | 54 Bromobenzene                       | ND            | 20 µg/L         |
| 11 Freon-113                         | ND            | 20 µg/L         | 55 n-Propylbenzene                    | ND            | 20 µg/L         |
| 12 Carbon disulfide                  | ND            | 100 µg/L        | 56 4-Chlorotoluene                    | ND            | 20 µg/L         |
| 13 trans-1,2-Dichloroethene          | ND            | 20 µg/L         | 57 2-Chlorotoluene                    | ND            | 20 µg/L         |
| 14 Methyl tert-butyl ether (MTBE)    | 3,200         | 10 µg/L         | 58 1,3,5-Trimethylbenzene             | 190           | 20 µg/L         |
| 15 1,1-Dichloroethane                | ND            | 20 µg/L         | 59 tert-Butylbenzene                  | ND            | 20 µg/L         |
| 16 Vinyl acetate                     | ND            | 2,000 µg/L      | 60 1,2,4-Trimethylbenzene             | 310           | 20 µg/L         |
| 17 2-Butanone (MEK)                  | ND            | 400 µg/L        | 61 sec-Butylbenzene                   | ND            | 20 µg/L         |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 20 µg/L         | 62 1,3-Dichlorobenzene                | ND            | 20 µg/L         |
| 19 cis-1,2-Dichloroethene            | ND            | 20 µg/L         | 63 1,4-Dichlorobenzene                | ND            | 20 µg/L         |
| 20 Bromochloromethane                | ND            | 20 µg/L         | 64 4-Isopropyltoluene                 | ND            | 20 µg/L         |
| 21 Chloroform                        | ND            | 20 µg/L         | 65 1,2-Dichlorobenzene                | ND            | 20 µg/L         |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 20 µg/L         | 66 n-Butylbenzene                     | ND            | 20 µg/L         |
| 23 2,2-Dichloropropane               | ND            | 20 µg/L         | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 120 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 20 µg/L         | 68 1,2,4-Trichlorobenzene             | ND            | 80 µg/L         |
| 25 1,1,1-Trichloroethane             | ND            | 20 µg/L         | 69 Naphthalene                        | 170           | 100 µg/L        |
| 26 1,1-Dichloropropene               | ND            | 20 µg/L         | 70 1,2,3-Trichlorobenzene             | ND            | 80 µg/L         |
| 27 Carbon tetrachloride              | ND            | 20 µg/L         | 71 Surr: 1,2-Dichloroethane-d4        | 101           | (70-130) %REC   |
| 28 Benzene                           | 1,800         | 10 µg/L         | 72 Surr: Toluene-d8                   | 98            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | 35            | 20 µg/L         | 73 Surr: 4-Bromofluorobenzene         | 98            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 20 µg/L         |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 20 µg/L         |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 20 µg/L         |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 20 µg/L         |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 100 µg/L        |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 20 µg/L         |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 20 µg/L         |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 20 µg/L         |                                       |               |                 |
| 38 Toluene                           | 280           | 10 µg/L         |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 20 µg/L         |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 200 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 20 µg/L         |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 40 µg/L         |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 20 µg/L         |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 20 µg/L         |                                       |               |                 |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
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10/14/10

Report Date

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# Alpha Analytical, Inc.

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## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100738-11A  
Client I.D. Number: MW-SF-12

Sampled: 10/05/10 12:59  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 50 µg/L         | 45 Chlorobenzene                      | ND            | 50 µg/L         |
| 2 Chloromethane                      | ND            | 200 µg/L        | 46 Ethylbenzene                       | 110           | 25 µg/L         |
| 3 Vinyl chloride                     | ND            | 50 µg/L         | 47 m,p-Xylene                         | 680           | 25 µg/L         |
| 4 Chloroethane                       | ND            | 50 µg/L         | 48 Bromoform                          | ND            | 50 µg/L         |
| 5 Bromomethane                       | ND            | 200 µg/L        | 49 Styrene                            | ND            | 50 µg/L         |
| 6 Trichlorofluoromethane             | ND            | 50 µg/L         | 50 o-Xylene                           | 370           | 25 µg/L         |
| 7 Acetone                            | ND            | 1,000 µg/L      | 51 1,1,2,2-Tetrachloroethane          | ND            | 50 µg/L         |
| 8 1,1-Dichloroethene                 | ND            | 50 µg/L         | 52 1,2,3-Trichloropropane             | ND            | 200 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | 880           | 500 µg/L        | 53 Isopropylbenzene                   | ND            | 50 µg/L         |
| 10 Dichloromethane                   | ND            | 200 µg/L        | 54 Bromobenzene                       | ND            | 50 µg/L         |
| 11 Freon-113                         | ND            | 50 µg/L         | 55 n-Propylbenzene                    | ND            | 50 µg/L         |
| 12 Carbon disulfide                  | ND            | 250 µg/L        | 56 4-Chlorotoluene                    | ND            | 50 µg/L         |
| 13 trans-1,2-Dichloroethene          | ND            | 50 µg/L         | 57 2-Chlorotoluene                    | ND            | 50 µg/L         |
| 14 Methyl tert-butyl ether (MTBE)    | 2,200         | 25 µg/L         | 58 1,3,5-Trimethylbenzene             | ND            | 50 µg/L         |
| 15 1,1-Dichloroethane                | ND            | 50 µg/L         | 59 tert-Butylbenzene                  | ND            | 50 µg/L         |
| 16 Vinyl acetate                     | ND            | 5,000 µg/L      | 60 1,2,4-Trimethylbenzene             | 140           | 50 µg/L         |
| 17 2-Butanone (MEK)                  | ND            | 1,000 µg/L      | 61 sec-Butylbenzene                   | ND            | 50 µg/L         |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 50 µg/L         | 62 1,3-Dichlorobenzene                | ND            | 50 µg/L         |
| 19 cis-1,2-Dichloroethene            | ND            | 50 µg/L         | 63 1,4-Dichlorobenzene                | ND            | 50 µg/L         |
| 20 Bromochloromethane                | ND            | 50 µg/L         | 64 4-Isopropyltoluene                 | ND            | 50 µg/L         |
| 21 Chloroform                        | ND            | 50 µg/L         | 65 1,2-Dichlorobenzene                | ND            | 50 µg/L         |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 50 µg/L         | 66 n-Butylbenzene                     | ND            | 50 µg/L         |
| 23 2,2-Dichloropropane               | ND            | 50 µg/L         | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 300 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 50 µg/L         | 68 1,2,4-Trichlorobenzene             | ND            | 200 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 50 µg/L         | 69 Naphthalene                        | 250           | 250 µg/L        |
| 26 1,1-Dichloropropene               | ND            | 50 µg/L         | 70 1,2,3-Trichlorobenzene             | ND            | 200 µg/L        |
| 27 Carbon tetrachloride              | ND            | 50 µg/L         | 71 Surr: 1,2-Dichloroethane-d4        | 98            | (70-130) %REC   |
| 28 Benzene                           | 5,300         | 25 µg/L         | 72 Surr: Toluene-d8                   | 100           | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 50 µg/L         | 73 Surr: 4-Bromofluorobenzene         | 101           | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 50 µg/L         |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 50 µg/L         |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 50 µg/L         |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 50 µg/L         |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 250 µg/L        |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 50 µg/L         |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 50 µg/L         |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 50 µg/L         |                                       |               |                 |
| 38 Toluene                           | 1,800         | 25 µg/L         |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 50 µg/L         |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 500 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 50 µg/L         |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 100 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 50 µg/L         |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 50 µg/L         |                                       |               |                 |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

10/14/10

Report Date



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100738-12A  
Client I.D. Number: DUP-5

Sampled: 10/05/10 00:00  
Received: 10/07/10  
Extracted: 10/13/10  
Analyzed: 10/13/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 50 µg/L         | 45 Chlorobenzene                      | ND            | 50 µg/L         |
| 2 Chloromethane                      | ND            | 200 µg/L        | 46 Ethylbenzene                       | 110           | 25 µg/L         |
| 3 Vinyl chloride                     | ND            | 50 µg/L         | 47 m,p-Xylene                         | 700           | 25 µg/L         |
| 4 Chloroethane                       | ND            | 50 µg/L         | 48 Bromoform                          | ND            | 50 µg/L         |
| 5 Bromomethane                       | ND            | 200 µg/L        | 49 Styrene                            | ND            | 50 µg/L         |
| 6 Trichlorofluoromethane             | ND            | 50 µg/L         | 50 o-Xylene                           | 370           | 25 µg/L         |
| 7 Acetone                            | ND            | 1,000 µg/L      | 51 1,1,2,2-Tetrachloroethane          | ND            | 50 µg/L         |
| 8 1,1-Dichloroethene                 | ND            | 50 µg/L         | 52 1,2,3-Trichloropropane             | ND            | 200 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | 630           | 500 µg/L        | 53 Isopropylbenzene                   | ND            | 50 µg/L         |
| 10 Dichloromethane                   | ND            | 200 µg/L        | 54 Bromobenzene                       | ND            | 50 µg/L         |
| 11 Freon-113                         | ND            | 50 µg/L         | 55 n-Propylbenzene                    | ND            | 50 µg/L         |
| 12 Carbon disulfide                  | ND            | 250 µg/L        | 56 4-Chlorotoluene                    | ND            | 50 µg/L         |
| 13 trans-1,2-Dichloroethene          | ND            | 50 µg/L         | 57 2-Chlorotoluene                    | ND            | 50 µg/L         |
| 14 Methyl tert-butyl ether (MTBE)    | 2,100         | 25 µg/L         | 58 1,3,5-Trimethylbenzene             | ND            | 50 µg/L         |
| 15 1,1-Dichloroethane                | ND            | 50 µg/L         | 59 tert-Butylbenzene                  | ND            | 50 µg/L         |
| 16 Vinyl acetate                     | ND            | 5,000 µg/L      | 60 1,2,4-Trimethylbenzene             | 140           | 50 µg/L         |
| 17 2-Butanone (MEK)                  | ND            | 1,000 µg/L      | 61 sec-Butylbenzene                   | ND            | 50 µg/L         |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 50 µg/L         | 62 1,3-Dichlorobenzene                | ND            | 50 µg/L         |
| 19 cis-1,2-Dichloroethene            | ND            | 50 µg/L         | 63 1,4-Dichlorobenzene                | ND            | 50 µg/L         |
| 20 Bromochloromethane                | ND            | 50 µg/L         | 64 4-Isopropyltoluene                 | ND            | 50 µg/L         |
| 21 Chloroform                        | ND            | 50 µg/L         | 65 1,2-Dichlorobenzene                | ND            | 50 µg/L         |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 50 µg/L         | 66 n-Butylbenzene                     | ND            | 50 µg/L         |
| 23 2,2-Dichloropropane               | ND            | 50 µg/L         | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 300 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 50 µg/L         | 68 1,2,4-Trichlorobenzene             | ND            | 200 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 50 µg/L         | 69 Naphthalene                        | 260           | 250 µg/L        |
| 26 1,1-Dichloropropene               | ND            | 50 µg/L         | 70 1,2,3-Trichlorobenzene             | ND            | 200 µg/L        |
| 27 Carbon tetrachloride              | ND            | 50 µg/L         | 71 Surr: 1,2-Dichloroethane-d4        | 99            | (70-130) %REC   |
| 28 Benzene                           | 5,400         | 25 µg/L         | 72 Surr: Toluene-d8                   | 101           | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 50 µg/L         | 73 Surr: 4-Bromofluorobenzene         | 100           | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 50 µg/L         |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 50 µg/L         |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 50 µg/L         |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 50 µg/L         |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 250 µg/L        |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 50 µg/L         |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 50 µg/L         |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 50 µg/L         |                                       |               |                 |
| 38 Toluene                           | 1,800         | 25 µg/L         |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 50 µg/L         |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 500 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 50 µg/L         |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 100 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 50 µg/L         |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 50 µg/L         |                                       |               |                 |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

10/14/10

Report Date

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.





# Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100738-13A  
Client I.D. Number: MW-SF-11

Sampled: 10/05/10 12:31  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 30 µg/L         | 45 Chlorobenzene                      | ND            | 30 µg/L         |
| 2 Chloromethane                      | ND            | 120 µg/L        | 46 Ethylbenzene                       | ND            | 15 µg/L         |
| 3 Vinyl chloride                     | ND            | 30 µg/L         | 47 m,p-Xylene                         | 110           | 15 µg/L         |
| 4 Chloroethane                       | ND            | 30 µg/L         | 48 Bromoform                          | ND            | 30 µg/L         |
| 5 Bromomethane                       | ND            | 120 µg/L        | 49 Styrene                            | ND            | 30 µg/L         |
| 6 Trichlorofluoromethane             | ND            | 30 µg/L         | 50 o-Xylene                           | 56            | 15 µg/L         |
| 7 Acetone                            | ND            | 600 µg/L        | 51 1,1,2,2-Tetrachloroethane          | ND            | 30 µg/L         |
| 8 1,1-Dichloroethene                 | ND            | 30 µg/L         | 52 1,2,3-Trichloropropane             | ND            | 120 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | 940           | 300 µg/L        | 53 Isopropylbenzene                   | ND            | 30 µg/L         |
| 10 Dichloromethane                   | ND            | 120 µg/L        | 54 Bromobenzene                       | ND            | 30 µg/L         |
| 11 Freon-113                         | ND            | 30 µg/L         | 55 n-Propylbenzene                    | ND            | 30 µg/L         |
| 12 Carbon disulfide                  | ND            | 150 µg/L        | 56 4-Chlorotoluene                    | ND            | 30 µg/L         |
| 13 trans-1,2-Dichloroethene          | ND            | 30 µg/L         | 57 2-Chlorotoluene                    | ND            | 30 µg/L         |
| 14 Methyl tert-butyl ether (MTBE)    | 140           | 15 µg/L         | 58 1,3,5-Trimethylbenzene             | ND            | 30 µg/L         |
| 15 1,1-Dichloroethane                | ND            | 30 µg/L         | 59 tert-Butylbenzene                  | ND            | 30 µg/L         |
| 16 Vinyl acetate                     | ND            | 3,000 µg/L      | 60 1,2,4-Trimethylbenzene             | ND            | 30 µg/L         |
| 17 2-Butanone (MEK)                  | ND            | 600 µg/L        | 61 sec-Butylbenzene                   | ND            | 30 µg/L         |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 30 µg/L         | 62 1,3-Dichlorobenzene                | ND            | 30 µg/L         |
| 19 cis-1,2-Dichloroethene            | ND            | 30 µg/L         | 63 1,4-Dichlorobenzene                | ND            | 30 µg/L         |
| 20 Bromochloromethane                | ND            | 30 µg/L         | 64 4-Isopropyltoluene                 | ND            | 30 µg/L         |
| 21 Chloroform                        | ND            | 30 µg/L         | 65 1,2-Dichlorobenzene                | ND            | 30 µg/L         |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 30 µg/L         | 66 n-Butylbenzene                     | ND            | 30 µg/L         |
| 23 2,2-Dichloropropane               | ND            | 30 µg/L         | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 180 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 30 µg/L         | 68 1,2,4-Trichlorobenzene             | ND            | 120 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 30 µg/L         | 69 Naphthalene                        | ND            | 150 µg/L        |
| 26 1,1-Dichloropropene               | ND            | 30 µg/L         | 70 1,2,3-Trichlorobenzene             | ND            | 120 µg/L        |
| 27 Carbon tetrachloride              | ND            | 30 µg/L         | 71 Surr: 1,2-Dichloroethane-d4        | 100           | (70-130) %REC   |
| 28 Benzene                           | 4,000         | 15 µg/L         | 72 Surr: Toluene-d8                   | 101           | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 30 µg/L         | 73 Surr: 4-Bromofluorobenzene         | 95            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 30 µg/L         |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 30 µg/L         |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 30 µg/L         |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 30 µg/L         |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 150 µg/L        |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 30 µg/L         |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 30 µg/L         |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 30 µg/L         |                                       |               |                 |
| 38 Toluene                           | 210           | 15 µg/L         |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 30 µg/L         |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 300 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 30 µg/L         |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 60 µg/L         |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 30 µg/L         |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 30 µg/L         |                                       |               |                 |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

*Roger Scholl*

*Randy Gardner*

*Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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*PS*

10/14/10

Report Date



# Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100738-14A  
Client I.D. Number: EB-3

Sampled: 10/05/10 14:45  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 2.0 µg/L        | 46 Ethylbenzene                       | ND            | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 0.50 µg/L       | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 2.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 10 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 2.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 10 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 2.5 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 50 µg/L         | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 10 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 5.0 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 0.50 µg/L       | 68 1,2,4-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 103           | (70-130) %REC   |
| 28 Benzene                           | ND            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 103           | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 98            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 0.50 µg/L       |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 0.50 µg/L       |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 5.0 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

ND = Not Detected

*Roger Scholl*

*Randy Gardner*

*Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
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*[Signature]*

10/14/10

Report Date



# Alpha Analytical, Inc.

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## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100738-15A  
Client I.D. Number: EB-4

Sampled: 10/05/10 14:50  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 2.0 µg/L        | 46 Ethylbenzene                       | ND            | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 0.50 µg/L       | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 2.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 10 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 2.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 10 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 2.5 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 50 µg/L         | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 10 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 5.0 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 0.50 µg/L       | 68 1,2,4-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 101           | (70-130) %REC   |
| 28 Benzene                           | ND            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 101           | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 98            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 0.50 µg/L       |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 0.50 µg/L       |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 5.0 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

ND = Not Detected

*Roger Scholl*

*Randy Gardner*

*Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

*JS*

10/14/10

Report Date



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100738-16A  
Client I.D. Number: MW-15

Sampled: 10/05/10 07:54  
Received: 10/07/10  
Extracted: 10/13/10  
Analyzed: 10/13/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 2.0 µg/L        | 45 Chlorobenzene                      | ND            | 2.0 µg/L        |
| 2 Chloromethane                      | ND            | 8.0 µg/L        | 46 Ethylbenzene                       | ND            | 1.0 µg/L        |
| 3 Vinyl chloride                     | ND            | 2.0 µg/L        | 47 m,p-Xylene                         | ND            | 1.0 µg/L        |
| 4 Chloroethane                       | ND            | 2.0 µg/L        | 48 Bromoform                          | ND            | 2.0 µg/L        |
| 5 Bromomethane                       | ND            | 8.0 µg/L        | 49 Styrene                            | ND            | 2.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 1.0 µg/L        |
| 7 Acetone                            | ND            | 40 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 2.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 2.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 8.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 20 µg/L         | 53 Isopropylbenzene                   | ND            | 2.0 µg/L        |
| 10 Dichloromethane                   | ND            | 8.0 µg/L        | 54 Bromobenzene                       | ND            | 2.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 2.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 10 µg/L         | 56 4-Chlorotoluene                    | ND            | 2.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 2.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 2.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 1.0 µg/L        | 58 1,3,5-Trimethylbenzene             | ND            | 2.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 2.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 2.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 200 µg/L        | 60 1,2,4-Trimethylbenzene             | ND            | 2.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 40 µg/L         | 61 sec-Butylbenzene                   | ND            | 2.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 2.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 2.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 2.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 2.0 µg/L        |
| 20 Bromochloromethane                | ND            | 2.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 2.0 µg/L        |
| 21 Chloroform                        | ND            | 2.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 2.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 2.0 µg/L        | 66 n-Butylbenzene                     | ND            | 2.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 2.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 12 µg/L         |
| 24 1,2-Dichloroethane                | ND            | 2.0 µg/L        | 68 1,2,4-Trichlorobenzene             | ND            | 8.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 2.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 2.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 8.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 2.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 96            | (70-130) %REC   |
| 28 Benzene                           | ND            | 1.0 µg/L        | 72 Surr: Toluene-d8                   | 100           | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 2.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 100           | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 2.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 2.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 2.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 2.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 2.0 µg/L        |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 2.0 µg/L        |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 2.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 1.0 µg/L        |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 2.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 20 µg/L         |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 2.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 4.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 2.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 2.0 µg/L        |                                       |               |                 |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
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Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

10/14/10

Report Date



# Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100738-17A  
Client I.D. Number: MW-O-2

Sampled: 10/05/10 14:16  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 4.0 µg/L        | 46 Ethylbenzene                       | 7.2           | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 1.0 µg/L        | 47 m,p-Xylene                         | 33            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 4.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | 8.8           | 0.50 µg/L       |
| 7 Acetone                            | ND            | 20 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 4.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | 33            | 10 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | 2.3           | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 5.0 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | 81            | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | 4.7           | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 100 µg/L        | 60 1,2,4-Trimethylbenzene             | 24            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 20 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | 3.3           | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 6.0 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 1.0 µg/L        | 68 1,2,4-Trichlorobenzene             | ND            | 4.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 4.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 101           | (70-130) %REC   |
| 28 Benzene                           | 87            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 97            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 93            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 1.0 µg/L        |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 1.0 µg/L        |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | 5.6           | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 10 µg/L         |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

Some Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
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10/14/10

Report Date

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# Alpha Analytical, Inc.

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## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100738-18A  
Client I.D. Number: GMW-O-18

Sampled: 10/05/10 13:39  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 10 µg/L         | 45 Chlorobenzene                      | ND            | 10 µg/L         |
| 2 Chloromethane                      | ND            | 40 µg/L         | 46 Ethylbenzene                       | 23            | 5.0 µg/L        |
| 3 Vinyl chloride                     | ND            | 10 µg/L         | 47 m,p-Xylene                         | 91            | 5.0 µg/L        |
| 4 Chloroethane                       | ND            | 10 µg/L         | 48 Bromoform                          | ND            | 10 µg/L         |
| 5 Bromomethane                       | ND            | 40 µg/L         | 49 Styrene                            | ND            | 10 µg/L         |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | 140           | 5.0 µg/L        |
| 7 Acetone                            | ND            | 200 µg/L        | 51 1,1,2,2-Tetrachloroethane          | ND            | 10 µg/L         |
| 8 1,1-Dichloroethene                 | ND            | 10 µg/L         | 52 1,2,3-Trichloropropane             | ND            | 40 µg/L         |
| 9 Tertiary Butyl Alcohol (TBA)       | 2,600         | 100 µg/L        | 53 Isopropylbenzene                   | ND            | 10 µg/L         |
| 10 Dichloromethane                   | ND            | 40 µg/L         | 54 Bromobenzene                       | ND            | 10 µg/L         |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 10 µg/L         |
| 12 Carbon disulfide                  | ND            | 50 µg/L         | 56 4-Chlorotoluene                    | ND            | 10 µg/L         |
| 13 trans-1,2-Dichloroethene          | ND            | 10 µg/L         | 57 2-Chlorotoluene                    | ND            | 10 µg/L         |
| 14 Methyl tert-butyl ether (MTBE)    | 670           | 5.0 µg/L        | 58 1,3,5-Trimethylbenzene             | ND            | 10 µg/L         |
| 15 1,1-Dichloroethane                | ND            | 10 µg/L         | 59 tert-Butylbenzene                  | ND            | 10 µg/L         |
| 16 Vinyl acetate                     | ND            | 1,000 µg/L      | 60 1,2,4-Trimethylbenzene             | ND            | 10 µg/L         |
| 17 2-Butanone (MEK)                  | ND            | 200 µg/L        | 61 sec-Butylbenzene                   | ND            | 10 µg/L         |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 10 µg/L         | 62 1,3-Dichlorobenzene                | ND            | 10 µg/L         |
| 19 cis-1,2-Dichloroethene            | ND            | 10 µg/L         | 63 1,4-Dichlorobenzene                | ND            | 10 µg/L         |
| 20 Bromochloromethane                | ND            | 10 µg/L         | 64 4-Isopropyltoluene                 | ND            | 10 µg/L         |
| 21 Chloroform                        | ND            | 10 µg/L         | 65 1,2-Dichlorobenzene                | ND            | 10 µg/L         |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 10 µg/L         | 66 n-Butylbenzene                     | ND            | 10 µg/L         |
| 23 2,2-Dichloropropane               | ND            | 10 µg/L         | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 60 µg/L         |
| 24 1,2-Dichloroethane                | ND            | 10 µg/L         | 68 1,2,4-Trichlorobenzene             | ND            | 40 µg/L         |
| 25 1,1,1-Trichloroethane             | ND            | 10 µg/L         | 69 Naphthalene                        | 59            | 50 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 10 µg/L         | 70 1,2,3-Trichloroethane              | ND            | 40 µg/L         |
| 27 Carbon tetrachloride              | ND            | 10 µg/L         | 71 Surr: 1,2-Dichloroethane-d4        | 102           | (70-130) %REC   |
| 28 Benzene                           | 1,200         | 5.0 µg/L        | 72 Surr: Toluene-d8                   | 100           | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 10 µg/L         | 73 Surr: 4-Bromofluorobenzene         | 95            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 10 µg/L         |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 10 µg/L         |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 10 µg/L         |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 10 µg/L         |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 50 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 10 µg/L         |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 10 µg/L         |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 10 µg/L         |                                       |               |                 |
| 38 Toluene                           | 420           | 5.0 µg/L        |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 10 µg/L         |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 100 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 10 µg/L         |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 20 µg/L         |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 10 µg/L         |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 10 µg/L         |                                       |               |                 |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
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10/14/10

Report Date

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# Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100738-19A  
Client I.D. Number: DUP-4

Sampled: 10/05/10 00:00  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 10 µg/L         | 45 Chlorobenzene                      | ND            | 10 µg/L         |
| 2 Chloromethane                      | ND            | 40 µg/L         | 46 Ethylbenzene                       | 21            | 5.0 µg/L        |
| 3 Vinyl chloride                     | ND            | 10 µg/L         | 47 m,p-Xylene                         | 85            | 5.0 µg/L        |
| 4 Chloroethane                       | ND            | 10 µg/L         | 48 Bromoform                          | ND            | 10 µg/L         |
| 5 Bromomethane                       | ND            | 40 µg/L         | 49 Styrene                            | ND            | 10 µg/L         |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | 140           | 5.0 µg/L        |
| 7 Acetone                            | ND            | 200 µg/L        | 51 1,1,2,2-Tetrachloroethane          | ND            | 10 µg/L         |
| 8 1,1-Dichloroethene                 | ND            | 10 µg/L         | 52 1,2,3-Trichloropropane             | ND            | 40 µg/L         |
| 9 Tertiary Butyl Alcohol (TBA)       | 2,400         | 100 µg/L        | 53 Isopropylbenzene                   | ND            | 10 µg/L         |
| 10 Dichloromethane                   | ND            | 40 µg/L         | 54 Bromobenzene                       | ND            | 10 µg/L         |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 10 µg/L         |
| 12 Carbon disulfide                  | ND            | 50 µg/L         | 56 4-Chlorotoluene                    | ND            | 10 µg/L         |
| 13 trans-1,2-Dichloroethene          | ND            | 10 µg/L         | 57 2-Chlorotoluene                    | ND            | 10 µg/L         |
| 14 Methyl tert-butyl ether (MTBE)    | 630           | 5.0 µg/L        | 58 1,3,5-Trimethylbenzene             | ND            | 10 µg/L         |
| 15 1,1-Dichloroethane                | ND            | 10 µg/L         | 59 tert-Butylbenzene                  | ND            | 10 µg/L         |
| 16 Vinyl acetate                     | ND            | 1,000 µg/L      | 60 1,2,4-Trimethylbenzene             | ND            | 10 µg/L         |
| 17 2-Butanone (MEK)                  | ND            | 200 µg/L        | 61 sec-Butylbenzene                   | ND            | 10 µg/L         |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 10 µg/L         | 62 1,3-Dichlorobenzene                | ND            | 10 µg/L         |
| 19 cis-1,2-Dichloroethene            | ND            | 10 µg/L         | 63 1,4-Dichlorobenzene                | ND            | 10 µg/L         |
| 20 Bromochloromethane                | ND            | 10 µg/L         | 64 4-Isopropyltoluene                 | ND            | 10 µg/L         |
| 21 Chloroform                        | ND            | 10 µg/L         | 65 1,2-Dichlorobenzene                | ND            | 10 µg/L         |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 10 µg/L         | 66 n-Butylbenzene                     | ND            | 10 µg/L         |
| 23 2,2-Dichloropropane               | ND            | 10 µg/L         | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 60 µg/L         |
| 24 1,2-Dichloroethane                | ND            | 10 µg/L         | 68 1,2,4-Trichlorobenzene             | ND            | 40 µg/L         |
| 25 1,1,1-Trichloroethane             | ND            | 10 µg/L         | 69 Naphthalene                        | 54            | 50 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 10 µg/L         | 70 1,2,3-Trichlorobenzene             | ND            | 40 µg/L         |
| 27 Carbon tetrachloride              | ND            | 10 µg/L         | 71 Surr: 1,2-Dichloroethane-d4        | 101           | (70-130) %REC   |
| 28 Benzene                           | 1,200         | 5.0 µg/L        | 72 Surr: Toluene-d8                   | 99            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 10 µg/L         | 73 Surr: 4-Bromofluorobenzene         | 98            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 10 µg/L         |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 10 µg/L         |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 10 µg/L         |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 10 µg/L         |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 50 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 10 µg/L         |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 10 µg/L         |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 10 µg/L         |                                       |               |                 |
| 38 Toluene                           | 410           | 5.0 µg/L        |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 10 µg/L         |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 100 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 10 µg/L         |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 20 µg/L         |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 10 µg/L         |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 10 µg/L         |                                       |               |                 |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer

Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

10/14/10

Report Date

Page 1 of 1



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100738-20A  
Client I.D. Number: MW-SF-13

Sampled: 10/05/10 12:59  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Reporting                            |               |            | Reporting                             |               |               |
|--------------------------------------|---------------|------------|---------------------------------------|---------------|---------------|
| Compound                             | Concentration | Limit      | Compound                              | Concentration | Limit         |
| 1 Dichlorodifluoromethane            | ND            | 20 µg/L    | 45 Chlorobenzene                      | ND            | 20 µg/L       |
| 2 Chloromethane                      | ND            | 80 µg/L    | 46 Ethylbenzene                       | 83            | 10 µg/L       |
| 3 Vinyl chloride                     | ND            | 20 µg/L    | 47 m,p-Xylene                         | 520           | 10 µg/L       |
| 4 Chloroethane                       | ND            | 20 µg/L    | 48 Bromoform                          | ND            | 20 µg/L       |
| 5 Bromomethane                       | ND            | 80 µg/L    | 49 Styrene                            | ND            | 20 µg/L       |
| 6 Trichlorofluoromethane             | ND            | 20 µg/L    | 50 o-Xylene                           | 240           | 10 µg/L       |
| 7 Acetone                            | ND            | 400 µg/L   | 51 1,1,2,2-Tetrachloroethane          | ND            | 20 µg/L       |
| 8 1,1-Dichloroethene                 | ND            | 20 µg/L    | 52 1,2,3-Trichloropropane             | ND            | 80 µg/L       |
| 9 Tertiary Butyl Alcohol (TBA)       | 280           | 200 µg/L   | 53 Isopropylbenzene                   | ND            | 20 µg/L       |
| 10 Dichloromethane                   | ND            | 80 µg/L    | 54 Bromobenzene                       | ND            | 20 µg/L       |
| 11 Freon-113                         | ND            | 20 µg/L    | 55 n-Propylbenzene                    | ND            | 20 µg/L       |
| 12 Carbon disulfide                  | ND            | 100 µg/L   | 56 4-Chlorotoluene                    | ND            | 20 µg/L       |
| 13 trans-1,2-Dichloroethene          | ND            | 20 µg/L    | 57 2-Chlorotoluene                    | ND            | 20 µg/L       |
| 14 Methyl tert-butyl ether (MTBE)    | 680           | 10 µg/L    | 58 1,3,5-Trimethylbenzene             | 36            | 20 µg/L       |
| 15 1,1-Dichloroethane                | ND            | 20 µg/L    | 59 tert-Butylbenzene                  | ND            | 20 µg/L       |
| 16 Vinyl acetate                     | ND            | 2,000 µg/L | 60 1,2,4-Trimethylbenzene             | 110           | 20 µg/L       |
| 17 2-Butanone (MEK)                  | ND            | 400 µg/L   | 61 sec-Butylbenzene                   | ND            | 20 µg/L       |
| 18 Di-isopropyl Ether (DIPE)         | 61            | 20 µg/L    | 62 1,3-Dichlorobenzene                | ND            | 20 µg/L       |
| 19 cis-1,2-Dichloroethene            | ND            | 20 µg/L    | 63 1,4-Dichlorobenzene                | ND            | 20 µg/L       |
| 20 Bromochloromethane                | ND            | 20 µg/L    | 64 4-Isopropyltoluene                 | ND            | 20 µg/L       |
| 21 Chloroform                        | ND            | 20 µg/L    | 65 1,2-Dichlorobenzene                | ND            | 20 µg/L       |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 20 µg/L    | 66 n-Butylbenzene                     | ND            | 20 µg/L       |
| 23 2,2-Dichloropropane               | ND            | 20 µg/L    | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 120 µg/L      |
| 24 1,2-Dichloroethane                | ND            | 20 µg/L    | 68 1,2,4-Trichlorobenzene             | ND            | 80 µg/L       |
| 25 1,1,1-Trichloroethane             | ND            | 20 µg/L    | 69 Naphthalene                        | 110           | 100 µg/L      |
| 26 1,1-Dichloropropene               | ND            | 20 µg/L    | 70 1,2,3-Trichlorobenzene             | ND            | 80 µg/L       |
| 27 Carbon tetrachloride              | ND            | 20 µg/L    | 71 Surr: 1,2-Dichloroethane-d4        | 100           | (70-130) %REC |
| 28 Benzene                           | 2,100         | 10 µg/L    | 72 Surr: Toluene-d8                   | 98            | (70-130) %REC |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 20 µg/L    | 73 Surr: 4-Bromofluorobenzene         | 98            | (70-130) %REC |
| 30 Dibromomethane                    | ND            | 20 µg/L    |                                       |               |               |
| 31 1,2-Dichloropropane               | ND            | 20 µg/L    |                                       |               |               |
| 32 Trichloroethene                   | ND            | 20 µg/L    |                                       |               |               |
| 33 Bromodichloromethane              | ND            | 20 µg/L    |                                       |               |               |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 100 µg/L   |                                       |               |               |
| 35 cis-1,3-Dichloropropene           | ND            | 20 µg/L    |                                       |               |               |
| 36 trans-1,3-Dichloropropene         | ND            | 20 µg/L    |                                       |               |               |
| 37 1,1,2-Trichloroethane             | ND            | 20 µg/L    |                                       |               |               |
| 38 Toluene                           | 1,000         | 10 µg/L    |                                       |               |               |
| 39 1,3-Dichloropropane               | ND            | 20 µg/L    |                                       |               |               |
| 40 2-Hexanone                        | ND            | 200 µg/L   |                                       |               |               |
| 41 Dibromochloromethane              | ND            | 20 µg/L    |                                       |               |               |
| 42 1,2-Dibromoethane (EDB)           | ND            | 40 µg/L    |                                       |               |               |
| 43 Tetrachloroethene                 | ND            | 20 µg/L    |                                       |               |               |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 20 µg/L    |                                       |               |               |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

*Roger Scholl*

*Randy Gardner*

*Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

*PS*

10/14/10

Report Date





# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100738-21A  
Client I.D. Number: MW-SF-15

Sampled: 10/05/10 12:33  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit              | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|------------------------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 20 µg/L                      | 45 Chlorobenzene                      | ND            | 20 µg/L         |
| 2 Chloromethane                      | ND            | 80 µg/L                      | 46 Ethylbenzene                       | 63            | 10 µg/L         |
| 3 Vinyl chloride                     | ND            | 20 µg/L                      | 47 m,p-Xylene                         | 500           | 10 µg/L         |
| 4 Chloroethane                       | ND            | 20 µg/L                      | 48 Bromoform                          | ND            | 20 µg/L         |
| 5 Bromomethane                       | ND            | 80 µg/L                      | 49 Styrene                            | ND            | 20 µg/L         |
| 6 Trichlorofluoromethane             | ND            | 20 µg/L                      | 50 o-Xylene                           | 260           | 10 µg/L         |
| 7 Acetone                            | 400 µg/L      | 51 1,1,2,2-Tetrachloroethane | ND                                    | 20 µg/L       |                 |
| 8 1,1-Dichloroethene                 | ND            | 20 µg/L                      | 52 1,2,3-Trichloropropane             | ND            | 80 µg/L         |
| 9 Tertiary Butyl Alcohol (TBA)       | 9,200         | 200 µg/L                     | 53 Isopropylbenzene                   | ND            | 20 µg/L         |
| 10 Dichloromethane                   | ND            | 80 µg/L                      | 54 Bromobenzene                       | ND            | 20 µg/L         |
| 11 Freon-113                         | ND            | 20 µg/L                      | 55 n-Propylbenzene                    | ND            | 20 µg/L         |
| 12 Carbon disulfide                  | 130           | 100 µg/L                     | 56 4-Chlorotoluene                    | ND            | 20 µg/L         |
| 13 trans-1,2-Dichloroethene          | ND            | 20 µg/L                      | 57 2-Chlorotoluene                    | ND            | 20 µg/L         |
| 14 Methyl tert-butyl ether (MTBE)    | 1,000         | 10 µg/L                      | 58 1,3,5-Trimethylbenzene             | 43            | 20 µg/L         |
| 15 1,1-Dichloroethane                | ND            | 20 µg/L                      | 59 tert-Butylbenzene                  | ND            | 20 µg/L         |
| 16 Vinyl acetate                     | ND            | 2,000 µg/L                   | 60 1,2,4-Trimethylbenzene             | 140           | 20 µg/L         |
| 17 2-Butanone (MEK)                  | ND            | 400 µg/L                     | 61 sec-Butylbenzene                   | ND            | 20 µg/L         |
| 18 Di-isopropyl Ether (DIPE)         | 37            | 20 µg/L                      | 62 1,3-Dichlorobenzene                | ND            | 20 µg/L         |
| 19 cis-1,2-Dichloroethene            | ND            | 20 µg/L                      | 63 1,4-Dichlorobenzene                | ND            | 20 µg/L         |
| 20 Bromochloromethane                | ND            | 20 µg/L                      | 64 4-Isopropyltoluene                 | ND            | 20 µg/L         |
| 21 Chloroform                        | ND            | 20 µg/L                      | 65 1,2-Dichlorobenzene                | ND            | 20 µg/L         |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 20 µg/L                      | 66 n-Butylbenzene                     | ND            | 20 µg/L         |
| 23 2,2-Dichloropropane               | ND            | 20 µg/L                      | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 120 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 20 µg/L                      | 68 1,2,4-Trichlorobenzene             | ND            | 80 µg/L         |
| 25 1,1,1-Trichloroethane             | ND            | 20 µg/L                      | 69 Naphthalene                        | 86            | 80 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 20 µg/L                      | 70 1,2,3-Trichlorobenzene             | ND            | 80 µg/L         |
| 27 Carbon tetrachloride              | ND            | 20 µg/L                      | 71 Surr: 1,2-Dichloroethane-d4        | 110           | (70-130) %REC   |
| 28 Benzene                           | 1,900         | 10 µg/L                      | 72 Surr: Toluene-d8                   | 99            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 20 µg/L                      | 73 Surr: 4-Bromofluorobenzene         | 98            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 20 µg/L                      |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 20 µg/L                      |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 20 µg/L                      |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 20 µg/L                      |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 100 µg/L                     |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 20 µg/L                      |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 20 µg/L                      |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 20 µg/L                      |                                       |               |                 |
| 38 Toluene                           | 700           | 10 µg/L                      |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 20 µg/L                      |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 200 µg/L                     |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 20 µg/L                      |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 40 µg/L                      |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 20 µg/L                      |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 20 µg/L                      |                                       |               |                 |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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10/14/10

Report Date



# Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100738-22A  
Client I.D. Number: DUP-6

Sampled: 10/05/10 00:00  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 20 µg/L         | 45 Chlorobenzene                      | ND            | 20 µg/L         |
| 2 Chloromethane                      | ND            | 80 µg/L         | 46 Ethylbenzene                       | 63            | 10 µg/L         |
| 3 Vinyl chloride                     | ND            | 20 µg/L         | 47 m,p-Xylene                         | 490           | 10 µg/L         |
| 4 Chloroethane                       | ND            | 20 µg/L         | 48 Bromoform                          | ND            | 20 µg/L         |
| 5 Bromomethane                       | ND            | 80 µg/L         | 49 Styrene                            | ND            | 20 µg/L         |
| 6 Trichlorofluoromethane             | ND            | 20 µg/L         | 50 o-Xylene                           | 270           | 10 µg/L         |
| 7 Acetone                            | ND            | 400 µg/L        | 51 1,1,2,2-Tetrachloroethane          | ND            | 20 µg/L         |
| 8 1,1-Dichloroethene                 | ND            | 20 µg/L         | 52 1,2,3-Trichloropropane             | ND            | 80 µg/L         |
| 9 Tertiary Butyl Alcohol (TBA)       | 9,000         | 200 µg/L        | 53 Isopropylbenzene                   | ND            | 20 µg/L         |
| 10 Dichloromethane                   | ND            | 80 µg/L         | 54 Bromobenzene                       | ND            | 20 µg/L         |
| 11 Freon-113                         | ND            | 20 µg/L         | 55 n-Propylbenzene                    | ND            | 20 µg/L         |
| 12 Carbon disulfide                  | 130           | 100 µg/L        | 56 4-Chlorotoluene                    | ND            | 20 µg/L         |
| 13 trans-1,2-Dichloroethene          | ND            | 20 µg/L         | 57 2-Chlorotoluene                    | ND            | 20 µg/L         |
| 14 Methyl tert-butyl ether (MTBE)    | 1,000         | 10 µg/L         | 58 1,3,5-Trimethylbenzene             | 42            | 20 µg/L         |
| 15 1,1-Dichloroethane                | ND            | 20 µg/L         | 59 tert-Butylbenzene                  | ND            | 20 µg/L         |
| 16 Vinyl acetate                     | ND            | 2,000 µg/L      | 60 1,2,4-Trimethylbenzene             | 140           | 20 µg/L         |
| 17 2-Butanone (MEK)                  | ND            | 400 µg/L        | 61 sec-Butylbenzene                   | ND            | 20 µg/L         |
| 18 Di-isopropyl Ether (DIPE)         | 39            | 20 µg/L         | 62 1,3-Dichlorobenzene                | ND            | 20 µg/L         |
| 19 cis-1,2-Dichloroethene            | ND            | 20 µg/L         | 63 1,4-Dichlorobenzene                | ND            | 20 µg/L         |
| 20 Bromochloromethane                | ND            | 20 µg/L         | 64 4-Isopropyltoluene                 | ND            | 20 µg/L         |
| 21 Chloroform                        | ND            | 20 µg/L         | 65 1,2-Dichlorobenzene                | ND            | 20 µg/L         |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 20 µg/L         | 66 n-Butylbenzene                     | ND            | 20 µg/L         |
| 23 2,2-Dichloropropane               | ND            | 20 µg/L         | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 120 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 20 µg/L         | 68 1,2,4-Trichlorobenzene             | ND            | 80 µg/L         |
| 25 1,1,1-Trichloroethane             | ND            | 20 µg/L         | 69 Naphthalene                        | 90            | 80 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 20 µg/L         | 70 1,2,3-Trichlorobenzene             | ND            | 80 µg/L         |
| 27 Carbon tetrachloride              | ND            | 20 µg/L         | 71 Surr: 1,2-Dichloroethane-d4        | 110           | (70-130) %REC   |
| 28 Benzene                           | 2,000         | 10 µg/L         | 72 Surr: Toluene-d8                   | 98            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 20 µg/L         | 73 Surr: 4-Bromofluorobenzene         | 98            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 20 µg/L         |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 20 µg/L         |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 20 µg/L         |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 20 µg/L         |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 100 µg/L        |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 20 µg/L         |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 20 µg/L         |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 20 µg/L         |                                       |               |                 |
| 38 Toluene                           | 700           | 10 µg/L         |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 20 µg/L         |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 200 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 20 µg/L         |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 40 µg/L         |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 20 µg/L         |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 20 µg/L         |                                       |               |                 |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

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10/14/10

Report Date



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100738-23A  
Client I.D. Number: MW-SF-2

Sampled: 10/05/10 11:33  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 200 µg/L        | 45 Chlorobenzene                      | ND            | 200 µg/L        |
| 2 Chloromethane                      | ND            | 800 µg/L        | 46 Ethylbenzene                       | 1,200         | 100 µg/L        |
| 3 Vinyl chloride                     | ND            | 200 µg/L        | 47 m,p-Xylene                         | 7,100         | 100 µg/L        |
| 4 Chloroethane                       | ND            | 200 µg/L        | 48 Bromoform                          | ND            | 200 µg/L        |
| 5 Bromomethane                       | ND            | 800 µg/L        | 49 Styrene                            | ND            | 200 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 200 µg/L        | 50 o-Xylene                           | 4,400         | 100 µg/L        |
| 7 Acetone                            | 4,000         | µg/L            | 51 1,1,2,2-Tetrachloroethane          | ND            | 200 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 200 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 800 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 2,000 µg/L      | 53 Isopropylbenzene                   | ND            | 200 µg/L        |
| 10 Dichloromethane                   | ND            | 800 µg/L        | 54 Bromobenzene                       | ND            | 200 µg/L        |
| 11 Freon-113                         | ND            | 200 µg/L        | 55 n-Propylbenzene                    | ND            | 200 µg/L        |
| 12 Carbon disulfide                  | ND            | 1,000 µg/L      | 56 4-Chlorotoluene                    | ND            | 200 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 200 µg/L        | 57 2-Chlorotoluene                    | ND            | 200 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | 1,700         | 100 µg/L        | 58 1,3,5-Trimethylbenzene             | 440           | 200 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 200 µg/L        | 59 tert-Butylbenzene                  | ND            | 200 µg/L        |
| 16 Vinyl acetate                     | ND            | 20,000 µg/L     | 60 1,2,4-Trimethylbenzene             | 1,500         | 200 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 4,000 µg/L      | 61 sec-Butylbenzene                   | ND            | 200 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 200 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 200 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 200 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 200 µg/L        |
| 20 Bromochloromethane                | ND            | 200 µg/L        | 64 4-Isopropyltoluene                 | ND            | 200 µg/L        |
| 21 Chloroform                        | ND            | 200 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 200 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 200 µg/L        | 66 n-Butylbenzene                     | ND            | 200 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 200 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 1,200 µg/L      |
| 24 1,2-Dichloroethane                | ND            | 200 µg/L        | 68 1,2,4-Trichlorobenzene             | ND            | 800 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 200 µg/L        | 69 Naphthalene                        | ND            | 800 µg/L        |
| 26 1,1-Dichloropropene               | ND            | 200 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 800 µg/L        |
| 27 Carbon tetrachloride              | ND            | 200 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 109           | (70-130) %REC   |
| 28 Benzene                           | 21,000        | 100 µg/L        | 72 Surr: Toluene-d8                   | 98            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 200 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 99            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 200 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 200 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 200 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 200 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 1,000 µg/L      |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 200 µg/L        |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 200 µg/L        |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 200 µg/L        |                                       |               |                 |
| 38 Toluene                           | 18,000        | 100 µg/L        |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 200 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 2,000 µg/L      |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 200 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 400 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 200 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 200 µg/L        |                                       |               |                 |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

10/14/10

Report Date



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## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100738-24A  
Client I.D. Number: GMW-O-12

Sampled: 10/05/10 10:51  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 100 µg/L        | 45 Chlorobenzene                      | ND            | 100 µg/L        |
| 2 Chloromethane                      | ND            | 400 µg/L        | 46 Ethylbenzene                       | ND            | 50 µg/L         |
| 3 Vinyl chloride                     | ND            | 100 µg/L        | 47 m,p-Xylene                         | ND            | 50 µg/L         |
| 4 Chloroethane                       | ND            | 100 µg/L        | 48 Bromoform                          | ND            | 100 µg/L        |
| 5 Bromomethane                       | ND            | 400 µg/L        | 49 Styrene                            | ND            | 100 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 100 µg/L        | 50 o-Xylene                           | ND            | 50 µg/L         |
| 7 Acetone                            | 2,000 µg/L    | 2,000 µg/L      | 51 1,1,2,2-Tetrachloroethane          | ND            | 100 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 100 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 400 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 1,000 µg/L      | 53 Isopropylbenzene                   | ND            | 100 µg/L        |
| 10 Dichloromethane                   | ND            | 400 µg/L        | 54 Bromobenzene                       | ND            | 100 µg/L        |
| 11 Freon-113                         | ND            | 100 µg/L        | 55 n-Propylbenzene                    | ND            | 100 µg/L        |
| 12 Carbon disulfide                  | ND            | 500 µg/L        | 56 4-Chlorotoluene                    | ND            | 100 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 100 µg/L        | 57 2-Chlorotoluene                    | ND            | 100 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | 71            | 50 µg/L         | 58 1,3,5-Trimethylbenzene             | ND            | 100 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 100 µg/L        | 59 tert-Butylbenzene                  | ND            | 100 µg/L        |
| 16 Vinyl acetate                     | ND            | 10,000 µg/L     | 60 1,2,4-Trimethylbenzene             | ND            | 100 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 2,000 µg/L      | 61 sec-Butylbenzene                   | ND            | 100 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 100 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 100 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 100 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 100 µg/L        |
| 20 Bromochloromethane                | ND            | 100 µg/L        | 64 4-Isopropyltoluene                 | ND            | 100 µg/L        |
| 21 Chloroform                        | ND            | 100 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 100 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 100 µg/L        | 66 n-Butylbenzene                     | ND            | 100 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 100 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 600 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 100 µg/L        | 68 1,2,4-Trichlorobenzene             | ND            | 400 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 100 µg/L        | 69 Naphthalene                        | ND            | 400 µg/L        |
| 26 1,1-Dichloropropene               | ND            | 100 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 400 µg/L        |
| 27 Carbon tetrachloride              | ND            | 100 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 112           | (70-130) %REC   |
| 28 Benzene                           | 12,000        | 50 µg/L         | 72 Surr: Toluene-d8                   | 99            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 100 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 98            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 100 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 100 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 100 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 100 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 500 µg/L        |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 100 µg/L        |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 100 µg/L        |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 100 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 50 µg/L         |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 100 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 1,000 µg/L      |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 100 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 200 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 100 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 100 µg/L        |                                       |               |                 |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

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10/14/10

Report Date



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## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100738-25A  
Client I.D. Number: GMW-O-20

Sampled: 10/05/10 10:17  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 200 µg/L        | 45 Chlorobenzene                      | ND            | 200 µg/L        |
| 2 Chloromethane                      | ND            | 800 µg/L        | 46 Ethylbenzene                       | 680           | 100 µg/L        |
| 3 Vinyl chloride                     | ND            | 200 µg/L        | 47 m,p-Xylene                         | 2,700         | 100 µg/L        |
| 4 Chloroethane                       | ND            | 200 µg/L        | 48 Bromoform                          | ND            | 200 µg/L        |
| 5 Bromomethane                       | ND            | 800 µg/L        | 49 Styrene                            | ND            | 200 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 200 µg/L        | 50 o-Xylene                           | 770           | 100 µg/L        |
| 7 Acetone                            | 4,000 µg/L    | 4,000 µg/L      | 51 1,1,2,2-Tetrachloroethane          | ND            | 200 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 200 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 800 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 2,000 µg/L      | 53 Isopropylbenzene                   | ND            | 200 µg/L        |
| 10 Dichloromethane                   | ND            | 800 µg/L        | 54 Bromobenzene                       | ND            | 200 µg/L        |
| 11 Freon-113                         | ND            | 200 µg/L        | 55 n-Propylbenzene                    | ND            | 200 µg/L        |
| 12 Carbon disulfide                  | ND            | 1,000 µg/L      | 56 4-Chlorotoluene                    | ND            | 200 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 200 µg/L        | 57 2-Chlorotoluene                    | ND            | 200 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 100 µg/L        | 58 1,3,5-Trimethylbenzene             | 270           | 200 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 200 µg/L        | 59 tert-Butylbenzene                  | ND            | 200 µg/L        |
| 16 Vinyl acetate                     | ND            | 20,000 µg/L     | 60 1,2,4-Trimethylbenzene             | 870           | 200 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 4,000 µg/L      | 61 sec-Butylbenzene                   | ND            | 200 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 200 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 200 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 200 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 200 µg/L        |
| 20 Bromochloromethane                | ND            | 200 µg/L        | 64 4-Isopropyltoluene                 | ND            | 200 µg/L        |
| 21 Chloroform                        | ND            | 200 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 200 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 200 µg/L        | 66 n-Butylbenzene                     | ND            | 200 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 200 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 1,200 µg/L      |
| 24 1,2-Dichloroethane                | ND            | 200 µg/L        | 68 1,2,4-Trichlorobenzene             | ND            | 800 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 200 µg/L        | 69 Naphthalene                        | ND            | 800 µg/L        |
| 26 1,1-Dichloropropene               | ND            | 200 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 800 µg/L        |
| 27 Carbon tetrachloride              | ND            | 200 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 111           | (70-130) %REC   |
| 28 Benzene                           | 17,000        | 100 µg/L        | 72 Surr: Toluene-d8                   | 99            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 200 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 98            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 200 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 200 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 200 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 200 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 1,000 µg/L      |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 200 µg/L        |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 200 µg/L        |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 200 µg/L        |                                       |               |                 |
| 38 Toluene                           | 390           | 100 µg/L        |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 200 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 2,000 µg/L      |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 200 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 400 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 200 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 200 µg/L        |                                       |               |                 |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

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10/14/10

Report Date

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## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100738-26A  
Client I.D. Number: MW-SF-10

Sampled: 10/05/10 09:20  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 30 µg/L         | 45 Chlorobenzene                      | ND            | 30 µg/L         |
| 2 Chloromethane                      | ND            | 120 µg/L        | 46 Ethylbenzene                       | 600           | 15 µg/L         |
| 3 Vinyl chloride                     | ND            | 30 µg/L         | 47 m,p-Xylene                         | 2,700         | 15 µg/L         |
| 4 Chloroethane                       | ND            | 30 µg/L         | 48 Bromoform                          | ND            | 30 µg/L         |
| 5 Bromomethane                       | ND            | 120 µg/L        | 49 Styrene                            | ND            | 30 µg/L         |
| 6 Trichlorofluoromethane             | ND            | 30 µg/L         | 50 o-Xylene                           | 1,800         | 15 µg/L         |
| 7 Acetone                            | 600           | µg/L            | 51 1,1,2,2-Tetrachloroethane          | ND            | 30 µg/L         |
| 8 1,1-Dichloroethene                 | ND            | 30 µg/L         | 52 1,2,3-Trichloropropane             | ND            | 120 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 300 µg/L        | 53 Isopropylbenzene                   | 44            | 30 µg/L         |
| 10 Dichloromethane                   | ND            | 120 µg/L        | 54 Bromobenzene                       | ND            | 30 µg/L         |
| 11 Freon-113                         | ND            | 30 µg/L         | 55 n-Propylbenzene                    | 69            | 30 µg/L         |
| 12 Carbon disulfide                  | ND            | 150 µg/L        | 56 4-Chlorotoluene                    | ND            | 30 µg/L         |
| 13 trans-1,2-Dichloroethene          | ND            | 30 µg/L         | 57 2-Chlorotoluene                    | ND            | 30 µg/L         |
| 14 Methyl tert-butyl ether (MTBE)    | 31            | 15 µg/L         | 58 1,3,5-Trimethylbenzene             | 370           | 30 µg/L         |
| 15 1,1-Dichloroethane                | ND            | 30 µg/L         | 59 tert-Butylbenzene                  | ND            | 30 µg/L         |
| 16 Vinyl acetate                     | ND            | 3,000 µg/L      | 60 1,2,4-Trimethylbenzene             | 1,100         | 30 µg/L         |
| 17 2-Butanone (MEK)                  | ND            | 600 µg/L        | 61 sec-Butylbenzene                   | ND            | 30 µg/L         |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 30 µg/L         | 62 1,3-Dichlorobenzene                | ND            | 30 µg/L         |
| 19 cis-1,2-Dichloroethene            | ND            | 30 µg/L         | 63 1,4-Dichlorobenzene                | ND            | 30 µg/L         |
| 20 Bromochloromethane                | ND            | 30 µg/L         | 64 4-Isopropyltoluene                 | ND            | 30 µg/L         |
| 21 Chloroform                        | ND            | 30 µg/L         | 65 1,2-Dichlorobenzene                | ND            | 30 µg/L         |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 30 µg/L         | 66 n-Butylbenzene                     | ND            | 30 µg/L         |
| 23 2,2-Dichloropropane               | ND            | 30 µg/L         | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 180 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 30 µg/L         | 68 1,2,4-Trichlorobenzene             | ND            | 120 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 30 µg/L         | 69 Naphthalene                        | 320           | 120 µg/L        |
| 26 1,1-Dichloropropene               | ND            | 30 µg/L         | 70 1,2,3-Trichlorobenzene             | ND            | 120 µg/L        |
| 27 Carbon tetrachloride              | ND            | 30 µg/L         | 71 Surr: 1,2-Dichloroethane-d4        | 108           | (70-130) %REC   |
| 28 Benzene                           | 1,500         | 15 µg/L         | 72 Surr: Toluene-d8                   | 97            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 30 µg/L         | 73 Surr: 4-Bromofluorobenzene         | 99            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 30 µg/L         |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 30 µg/L         |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 30 µg/L         |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 30 µg/L         |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 150 µg/L        |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 30 µg/L         |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 30 µg/L         |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 30 µg/L         |                                       |               |                 |
| 38 Toluene                           | 1,200         | 15 µg/L         |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 30 µg/L         |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 300 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 30 µg/L         |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 60 µg/L         |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 30 µg/L         |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 30 µg/L         |                                       |               |                 |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
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10/14/10

Report Date

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.



# Alpha Analytical, Inc.

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## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100738-27A  
Client I.D. Number: GMW-4

Sampled: 10/05/10 08:31  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 2.0 µg/L        | 45 Chlorobenzene                      | ND            | 2.0 µg/L        |
| 2 Chloromethane                      | ND            | 8.0 µg/L        | 46 Ethylbenzene                       | 2.8           | 1.0 µg/L        |
| 3 Vinyl chloride                     | ND            | 2.0 µg/L        | 47 m,p-Xylene                         | 2.2           | 1.0 µg/L        |
| 4 Chloroethane                       | ND            | 2.0 µg/L        | 48 Bromoform                          | ND            | 2.0 µg/L        |
| 5 Bromomethane                       | ND            | 8.0 µg/L        | 49 Styrene                            | ND            | 2.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | 1.2           | 1.0 µg/L        |
| 7 Acetone                            | ND            | 40 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 2.0 µg/L        |
| 8 1,1-Dichloroethane                 | ND            | 2.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 8.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | 22            | 20 µg/L         | 53 Isopropylbenzene                   | 17            | 2.0 µg/L        |
| 10 Dichloromethane                   | ND            | 8.0 µg/L        | 54 Bromobenzene                       | ND            | 2.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | 7.6           | 2.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 10 µg/L         | 56 4-Chlorotoluene                    | ND            | 2.0 µg/L        |
| 13 trans-1,2-Dichloroethane          | ND            | 2.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 2.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | 3.2           | 1.0 µg/L        | 58 1,3,5-Trimethylbenzene             | 2.4           | 2.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 2.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 2.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 200 µg/L        | 60 1,2,4-Trimethylbenzene             | 4.5           | 2.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 40 µg/L         | 61 sec-Butylbenzene                   | 2.6           | 2.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 2.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 2.0 µg/L        |
| 19 cis-1,2-Dichloroethane            | ND            | 2.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 2.0 µg/L        |
| 20 Bromochloromethane                | ND            | 2.0 µg/L        | 64 4-Isopropyltoluene                 | 2.0           | 2.0 µg/L        |
| 21 Chloroform                        | ND            | 2.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 2.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 2.0 µg/L        | 66 n-Butylbenzene                     | ND            | 2.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 2.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 12 µg/L         |
| 24 1,2-Dichloroethane                | ND            | 2.0 µg/L        | 68 1,2,4-Trichlorobenzene             | ND            | 8.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 2.0 µg/L        | 69 Naphthalene                        | 11            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 2.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 8.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 2.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 108           | (70-130) %REC   |
| 28 Benzene                           | 8.2           | 1.0 µg/L        | 72 Surr: Toluene-d8                   | 98            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 2.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 101           | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 2.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 2.0 µg/L        |                                       |               |                 |
| 32 Trichloroethane                   | ND            | 2.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 2.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 2.0 µg/L        |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 2.0 µg/L        |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 2.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 1.0 µg/L        |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 2.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 20 µg/L         |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 2.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 4.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethane                 | ND            | 2.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 2.0 µg/L        |                                       |               |                 |

Reporting Limits were increased due to sample foaming.

ND = Not Detected

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Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

10/14/10

Report Date

Page 1 of 1



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## VOC Sample Preservation Report

Work Order: CHH10100738

Job: KMEP DFSP Norwalk

| Alpha's Sample ID | Client's Sample ID | Matrix  | pH |
|-------------------|--------------------|---------|----|
| 10100738-01A      | GMW-O-3            | Aqueous | 2  |
| 10100738-02A      | GMW-O-2            | Aqueous | 2  |
| 10100738-03A      | GMW-O-4            | Aqueous | 2  |
| 10100738-04A      | GMW-O-4(MID)       | Aqueous | 2  |
| 10100738-05A      | GMW-O-9            | Aqueous | 5  |
| 10100738-06A      | GMW-O-8            | Aqueous | 2  |
| 10100738-07A      | GMW-O-1            | Aqueous | 2  |
| 10100738-08A      | TB-2               | Aqueous | 2  |
| 10100738-09A      | GMW-36             | Aqueous | 2  |
| 10100738-10A      | GMW-O-15           | Aqueous | 5  |
| 10100738-11A      | MW-SF-12           | Aqueous | 5  |
| 10100738-12A      | DUP-5              | Aqueous | 5  |
| 10100738-13A      | MW-SF-11           | Aqueous | 5  |
| 10100738-14A      | EB-3               | Aqueous | 2  |
| 10100738-15A      | EB-4               | Aqueous | 2  |
| 10100738-16A      | MW-15              | Aqueous | 2  |
| 10100738-17A      | MW-O-2             | Aqueous | 2  |
| 10100738-18A      | GMW-O-18           | Aqueous | 2  |
| 10100738-19A      | DUP-4              | Aqueous | 2  |
| 10100738-20A      | MW-SF-13           | Aqueous | 5  |
| 10100738-21A      | MW-SF-15           | Aqueous | 2  |
| 10100738-22A      | DUP-6              | Aqueous | 2  |
| 10100738-23A      | MW-SF-2            | Aqueous | 2  |
| 10100738-24A      | GMW-O-12           | Aqueous | 6  |
| 10100738-25A      | GMW-O-20           | Aqueous | 6  |
| 10100738-26A      | MW-SF-10           | Aqueous | 6  |
| 10100738-27A      | GMW-4              | Aqueous | 2  |

10/14/10

Report Date

Page 1 of 1





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Date:  
13-Oct-10

## QC Summary Report

Work Order:  
10100738

### Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B / E**

File ID: **7A10081006.D**

Batch ID: **25225**

Analysis Date: **10/08/2010 14:27**

Sample ID: **MBLK-25225**

Units : **mg/L**

Run ID: **FID\_7\_101008A**

Prep Date: **10/08/2010 11:56**

| Analyte              | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|----------------------|--------|-----|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-E (Fuel Product) | ND     | 0.1 |        |           |      |         |         |           |             |      |
| Surr: Nonane         | 0.133  |     | 0.15   |           | 89   | 57      | 147     |           |             |      |

### Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B / E**

File ID: **7A10081007.D**

Batch ID: **25225**

Analysis Date: **10/08/2010 14:53**

Sample ID: **LCS-25225**

Units : **mg/L**

Run ID: **FID\_7\_101008A**

Prep Date: **10/08/2010 11:56**

| Analyte      | Result | PQL  | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|--------------|--------|------|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-E (DRO)  | 2.04   | 0.05 | 2.5    |           | 82   | 67      | 130     |           |             |      |
| Surr: Nonane | 0.126  |      | 0.15   |           | 84   | 57      | 147     |           |             |      |

### Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B / E**

File ID: **7A10081010.D**

Batch ID: **25225**

Analysis Date: **10/08/2010 16:12**

Sample ID: **10100738-02AMS**

Units : **mg/L**

Run ID: **FID\_7\_101008A**

Prep Date: **10/08/2010 11:56**

| Analyte      | Result | PQL  | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|--------------|--------|------|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-E (DRO)  | 1.79   | 0.05 | 2.5    | 0         | 71   | 49      | 150     |           |             |      |
| Surr: Nonane | 0.11   |      | 0.15   |           | 73   | 57      | 147     |           |             |      |

### Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B / E**

File ID: **7A10081011.D**

Batch ID: **25225**

Analysis Date: **10/08/2010 16:39**

Sample ID: **10100738-02AMSD**

Units : **mg/L**

Run ID: **FID\_7\_101008A**

Prep Date: **10/08/2010 11:56**

| Analyte      | Result | PQL  | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|--------------|--------|------|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-E (DRO)  | 2.49   | 0.05 | 2.5    | 0         | 99.7 | 49      | 150     | 1.787     | 33.0(38)    |      |
| Surr: Nonane | 0.144  |      | 0.15   |           | 96   | 57      | 147     |           |             |      |

### Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



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Date:  
13-Oct-10

## QC Summary Report

Work Order:  
10100738

### Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B / E**

File ID: **2A10081006.D**

Batch ID: **25228**

Analysis Date: **10/08/2010 15:49**

Sample ID: **MBLK-25228**

Units : **mg/L**

Run ID: **FID\_2\_101008A**

Prep Date: **10/08/2010 13:25**

| Analyte              | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|----------------------|--------|-----|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-E (Fuel Product) | ND     | 0.1 |        |           |      |         |         |           |             |      |
| Surr: Nonane         | 0.131  |     | 0.15   |           | 87   | 57      | 147     |           |             |      |

### Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B / E**

File ID: **2A10081007.D**

Batch ID: **25228**

Analysis Date: **10/08/2010 16:14**

Sample ID: **LCS-25228**

Units : **mg/L**

Run ID: **FID\_2\_101008A**

Prep Date: **10/08/2010 13:25**

| Analyte      | Result | PQL  | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|--------------|--------|------|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-E (DRO)  | 2.44   | 0.05 | 2.5    |           | 98   | 67      | 130     |           |             |      |
| Surr: Nonane | 0.15   |      | 0.15   |           | 100  | 57      | 147     |           |             |      |

### Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B / E**

File ID: **2A10081050.D**

Batch ID: **25228**

Analysis Date: **10/09/2010 10:51**

Sample ID: **10100738-22AMS**

Units : **mg/L**

Run ID: **FID\_2\_101008A**

Prep Date: **10/08/2010 13:25**

| Analyte      | Result | PQL  | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|--------------|--------|------|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-E (DRO)  | 3.38   | 0.05 | 2.5    | 1.908     | 59   | 49      | 150     |           |             |      |
| Surr: Nonane | 0      |      | 0.15   |           | 0    | 57      | 147     |           |             | S50  |

### Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B / E**

File ID: **2A10081010.D**

Batch ID: **25228**

Analysis Date: **10/08/2010 17:28**

Sample ID: **10100738-22AMSD**

Units : **mg/L**

Run ID: **FID\_2\_101008A**

Prep Date: **10/08/2010 13:25**

| Analyte      | Result | PQL  | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|--------------|--------|------|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-E (DRO)  | 4.25   | 0.05 | 2.5    | 1.908     | 94   | 49      | 150     | 3.378     | 22.8(38)    |      |
| Surr: Nonane | 0.143  |      | 0.15   |           | 95   | 57      | 147     |           |             |      |

### Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

S50 = The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The laboratory control sample recovery was acceptable.



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Date:  
13-Oct-10

## QC Summary Report

Work Order:  
10100738

### Method Blank

Type **MBLK** Test Code: **EPA Method SW8015**

File ID: C:\HPCHEM\MS07\DATA\101011\10101125.D

Batch ID: **MS07W1011B**

Analysis Date: **10/11/2010 20:24**

Sample ID: **MBLK MS07W1011B**

Units : **mg/L**

Run ID: **MSD\_07\_101011C**

Prep Date: **10/11/2010 20:24**

| Analyte                     | Result  | PQL  | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|-----------------------------|---------|------|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-P (GRO)                 | ND      | 0.05 |        |           |      |         |         |           |             |      |
| Surr: 1,2-Dichloroethane-d4 | 0.0107  |      | 0.01   |           | 107  | 70      | 130     |           |             |      |
| Surr: Toluene-d8            | 0.00986 |      | 0.01   |           | 99   | 70      | 130     |           |             |      |
| Surr: 4-Bromofluorobenzene  | 0.0103  |      | 0.01   |           | 103  | 70      | 130     |           |             |      |

### Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015**

File ID: C:\HPCHEM\MS07\DATA\101011\10101122.D

Batch ID: **MS07W1011B**

Analysis Date: **10/11/2010 19:13**

Sample ID: **GLCS MS07W1011B**

Units : **mg/L**

Run ID: **MSD\_07\_101011C**

Prep Date: **10/11/2010 19:13**

| Analyte                     | Result  | PQL  | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|-----------------------------|---------|------|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-P (GRO)                 | 0.44    | 0.05 | 0.4    |           | 110  | 70      | 130     |           |             |      |
| Surr: 1,2-Dichloroethane-d4 | 0.011   |      | 0.01   |           | 110  | 70      | 130     |           |             |      |
| Surr: Toluene-d8            | 0.00988 |      | 0.01   |           | 99   | 70      | 130     |           |             |      |
| Surr: 4-Bromofluorobenzene  | 0.0101  |      | 0.01   |           | 101  | 70      | 130     |           |             |      |

### Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015**

File ID: C:\HPCHEM\MS07\DATA\101011\10101128.D

Batch ID: **MS07W1011B**

Analysis Date: **10/11/2010 21:35**

Sample ID: **10100748-02AGS**

Units : **mg/L**

Run ID: **MSD\_07\_101011C**

Prep Date: **10/11/2010 21:35**

| Analyte                     | Result | PQL  | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|-----------------------------|--------|------|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-P (GRO)                 | 2.08   | 0.25 | 2      | 0         | 104  | 58      | 135     |           |             |      |
| Surr: 1,2-Dichloroethane-d4 | 0.0532 |      | 0.05   |           | 106  | 70      | 130     |           |             |      |
| Surr: Toluene-d8            | 0.0483 |      | 0.05   |           | 97   | 70      | 130     |           |             |      |
| Surr: 4-Bromofluorobenzene  | 0.0507 |      | 0.05   |           | 101  | 70      | 130     |           |             |      |

### Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015**

File ID: C:\HPCHEM\MS07\DATA\101011\10101129.D

Batch ID: **MS07W1011B**

Analysis Date: **10/11/2010 21:58**

Sample ID: **10100748-02AGSD**

Units : **mg/L**

Run ID: **MSD\_07\_101011C**

Prep Date: **10/11/2010 21:58**

| Analyte                     | Result | PQL  | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|-----------------------------|--------|------|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-P (GRO)                 | 2      | 0.25 | 2      | 0         | 99.9 | 58      | 135     | 2.081     | 4.1(20)     |      |
| Surr: 1,2-Dichloroethane-d4 | 0.0531 |      | 0.05   |           | 106  | 70      | 130     |           |             |      |
| Surr: Toluene-d8            | 0.049  |      | 0.05   |           | 98   | 70      | 130     |           |             |      |
| Surr: 4-Bromofluorobenzene  | 0.0509 |      | 0.05   |           | 102  | 70      | 130     |           |             |      |

### Comments:

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Date:  
13-Oct-10

## QC Summary Report

Work Order:  
10100738

### Method Blank

| Method Blank                |                 | Type    | MBLK   | Test Code: EPA Method SW8015 |      |         |                                 |           |             |      |
|-----------------------------|-----------------|---------|--------|------------------------------|------|---------|---------------------------------|-----------|-------------|------|
| File ID: 10101207.D         |                 |         |        | Batch ID: MS15W1012B         |      |         | Analysis Date: 10/12/2010 11:39 |           |             |      |
| Sample ID:                  | MBLK MS15W1012B | Units : | mg/L   | Run ID: MSD_15_101012A       |      |         | Prep Date: 10/12/2010 11:39     |           |             |      |
| Analyte                     | Result          | PQL     | SpkVal | SpkRefVal                    | %REC | LCL(ME) | UCL(ME)                         | RPDRefVal | %RPD(Limit) | Qual |
| TPH-P (GRO)                 | ND              | 0.05    |        |                              |      |         |                                 |           |             |      |
| Surr: 1,2-Dichloroethane-d4 | 0.00958         |         | 0.01   |                              | 96   | 70      | 130                             |           |             |      |
| Surr: Toluene-d8            | 0.0104          |         | 0.01   |                              | 104  | 70      | 130                             |           |             |      |
| Surr: 4-Bromofluorobenzene  | 0.0105          |         | 0.01   |                              | 105  | 70      | 130                             |           |             |      |

### Laboratory Control Spike

| Laboratory Control Spike    |                 | Type    | LCS    | Test Code: EPA Method SW8015 |      |         |                                 |           |             |      |
|-----------------------------|-----------------|---------|--------|------------------------------|------|---------|---------------------------------|-----------|-------------|------|
| File ID: 10101204.D         |                 |         |        | Batch ID: MS15W1012B         |      |         | Analysis Date: 10/12/2010 10:12 |           |             |      |
| Sample ID:                  | GLCS MS15W1012B | Units : | mg/L   | Run ID: MSD_15_101012A       |      |         | Prep Date: 10/12/2010 10:12     |           |             |      |
| Analyte                     | Result          | PQL     | SpkVal | SpkRefVal                    | %REC | LCL(ME) | UCL(ME)                         | RPDRefVal | %RPD(Limit) | Qual |
| TPH-P (GRO)                 | 0.414           | 0.05    | 0.4    |                              | 103  | 70      | 130                             |           |             |      |
| Surr: 1,2-Dichloroethane-d4 | 0.00959         |         | 0.01   |                              | 96   | 70      | 130                             |           |             |      |
| Surr: Toluene-d8            | 0.00996         |         | 0.01   |                              | 99.6 | 70      | 130                             |           |             |      |
| Surr: 4-Bromofluorobenzene  | 0.0102          |         | 0.01   |                              | 102  | 70      | 130                             |           |             |      |

### Sample Matrix Spike

| Sample Matrix Spike         |                | Type    | MS     | Test Code: EPA Method SW8015 |      |         |                                 |           |             |      |
|-----------------------------|----------------|---------|--------|------------------------------|------|---------|---------------------------------|-----------|-------------|------|
| File ID: 10101210.D         |                |         |        | Batch ID: MS15W1012B         |      |         | Analysis Date: 10/12/2010 12:45 |           |             |      |
| Sample ID:                  | 10100738-01AGS | Units : | mg/L   | Run ID: MSD_15_101012A       |      |         | Prep Date: 10/12/2010 12:45     |           |             |      |
| Analyte                     | Result         | PQL     | SpkVal | SpkRefVal                    | %REC | LCL(ME) | UCL(ME)                         | RPDRefVal | %RPD(Limit) | Qual |
| TPH-P (GRO)                 | 1.82           | 0.25    | 2      | 0                            | 91   | 58      | 135                             |           |             |      |
| Surr: 1,2-Dichloroethane-d4 | 0.0488         |         | 0.05   |                              | 98   | 70      | 130                             |           |             |      |
| Surr: Toluene-d8            | 0.0498         |         | 0.05   |                              | 99.6 | 70      | 130                             |           |             |      |
| Surr: 4-Bromofluorobenzene  | 0.0505         |         | 0.05   |                              | 101  | 70      | 130                             |           |             |      |

### Sample Matrix Spike Duplicate

| Sample Matrix Spike Duplicate |                 | Type    | MSD    | Test Code: EPA Method SW8015 |      |         |                                 |           |             |      |
|-------------------------------|-----------------|---------|--------|------------------------------|------|---------|---------------------------------|-----------|-------------|------|
| File ID: 10101211.D           |                 |         |        | Batch ID: MS15W1012B         |      |         | Analysis Date: 10/12/2010 13:06 |           |             |      |
| Sample ID:                    | 10100738-01AGSD | Units : | mg/L   | Run ID: MSD_15_101012A       |      |         | Prep Date: 10/12/2010 13:06     |           |             |      |
| Analyte                       | Result          | PQL     | SpkVal | SpkRefVal                    | %REC | LCL(ME) | UCL(ME)                         | RPDRefVal | %RPD(Limit) | Qual |
| TPH-P (GRO)                   | 1.96            | 0.25    | 2      | 0                            | 98   | 58      | 135                             | 1.823     | 7.3(20)     |      |
| Surr: 1,2-Dichloroethane-d4   | 0.0502          |         | 0.05   |                              | 100  | 70      | 130                             |           |             |      |
| Surr: Toluene-d8              | 0.0492          |         | 0.05   |                              | 98   | 70      | 130                             |           |             |      |
| Surr: 4-Bromofluorobenzene    | 0.0486          |         | 0.05   |                              | 97   | 70      | 130                             |           |             |      |

### Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.





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Date:  
13-Oct-10

## QC Summary Report

Work Order:  
10100738

|                                    |      |    |    |  |     |    |     |  |  |  |
|------------------------------------|------|----|----|--|-----|----|-----|--|--|--|
| n-Butylbenzene                     | ND   | 1  |    |  |     |    |     |  |  |  |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND   | 5  |    |  |     |    |     |  |  |  |
| 1,2,4-Trichlorobenzene             | ND   | 2  |    |  |     |    |     |  |  |  |
| Naphthalene                        | ND   | 10 |    |  |     |    |     |  |  |  |
| 1,2,3-Trichlorobenzene             | ND   | 2  |    |  |     |    |     |  |  |  |
| Surr: 1,2-Dichloroethane-d4        | 10.7 |    | 10 |  | 107 | 70 | 130 |  |  |  |
| Surr: Toluene-d8                   | 9.86 |    | 10 |  | 99  | 70 | 130 |  |  |  |
| Surr: 4-Bromofluorobenzene         | 10.3 |    | 10 |  | 103 | 70 | 130 |  |  |  |

### Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8260B**

File ID: C:\HPCHEM\MS07\DATA\101011\10101123.D

Batch ID: **MS07W1011A**

Analysis Date: **10/11/2010 19:37**

Sample ID: **LCS MS07W1011A**

Units: **µg/L**

Run ID: **MSD\_07\_101011C**

Prep Date: **10/11/2010 19:37**

| Analyte                        | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|--------------------------------|--------|-----|--------|-----------|------|---------|---------|-----------|-------------|------|
| 1,1-Dichloroethene             | 10.5   | 1   | 10     |           | 105  | 80      | 120     |           |             |      |
| Methyl tert-butyl ether (MTBE) | 10.7   | 0.5 | 10     |           | 107  | 62      | 136     |           |             |      |
| Benzene                        | 10.4   | 0.5 | 10     |           | 104  | 70      | 130     |           |             |      |
| Trichloroethene                | 10.6   | 1   | 10     |           | 106  | 70      | 130     |           |             |      |
| Toluene                        | 9.85   | 0.5 | 10     |           | 99   | 80      | 120     |           |             |      |
| Chlorobenzene                  | 9.71   | 1   | 10     |           | 97   | 70      | 130     |           |             |      |
| Ethylbenzene                   | 9.55   | 0.5 | 10     |           | 96   | 80      | 120     |           |             |      |
| m,p-Xylene                     | 9.68   | 0.5 | 10     |           | 97   | 70      | 130     |           |             |      |
| o-Xylene                       | 10.9   | 0.5 | 10     |           | 109  | 70      | 130     |           |             |      |
| Surr: 1,2-Dichloroethane-d4    | 10.8   |     | 10     |           | 108  | 70      | 130     |           |             |      |
| Surr: Toluene-d8               | 9.81   |     | 10     |           | 98   | 70      | 130     |           |             |      |
| Surr: 4-Bromofluorobenzene     | 9.98   |     | 10     |           | 99.8 | 70      | 130     |           |             |      |

### Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8260B**

File ID: C:\HPCHEM\MS07\DATA\101011\10101126.D

Batch ID: **MS07W1011A**

Analysis Date: **10/11/2010 20:47**

Sample ID: **10100748-02AMS**

Units: **µg/L**

Run ID: **MSD\_07\_101011C**

Prep Date: **10/11/2010 20:47**

| Analyte                        | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|--------------------------------|--------|-----|--------|-----------|------|---------|---------|-----------|-------------|------|
| 1,1-Dichloroethene             | 40.9   | 2.5 | 50     | 0         | 82   | 60      | 130     |           |             |      |
| Methyl tert-butyl ether (MTBE) | 46.2   | 1.3 | 50     | 0         | 92   | 56      | 141     |           |             |      |
| Benzene                        | 44.7   | 1.3 | 50     | 0         | 89   | 67      | 130     |           |             |      |
| Trichloroethene                | 42.8   | 2.5 | 50     | 0         | 86   | 69      | 130     |           |             |      |
| Toluene                        | 42.4   | 1.3 | 50     | 0         | 85   | 66      | 130     |           |             |      |
| Chlorobenzene                  | 42.2   | 2.5 | 50     | 0         | 84   | 70      | 130     |           |             |      |
| Ethylbenzene                   | 42     | 1.3 | 50     | 0         | 84   | 68      | 130     |           |             |      |
| m,p-Xylene                     | 42.5   | 1.3 | 50     | 0         | 85   | 64      | 130     |           |             |      |
| o-Xylene                       | 48.6   | 1.3 | 50     | 0         | 97   | 70      | 130     |           |             |      |
| Surr: 1,2-Dichloroethane-d4    | 54.1   |     | 50     |           | 108  | 70      | 130     |           |             |      |
| Surr: Toluene-d8               | 48.5   |     | 50     |           | 97   | 70      | 130     |           |             |      |
| Surr: 4-Bromofluorobenzene     | 50.7   |     | 50     |           | 101  | 70      | 130     |           |             |      |

### Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8260B**

File ID: C:\HPCHEM\MS07\DATA\101011\10101127.D

Batch ID: **MS07W1011A**

Analysis Date: **10/11/2010 21:11**

Sample ID: **10100748-02AMSD**

Units: **µg/L**

Run ID: **MSD\_07\_101011C**

Prep Date: **10/11/2010 21:11**

| Analyte                        | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|--------------------------------|--------|-----|--------|-----------|------|---------|---------|-----------|-------------|------|
| 1,1-Dichloroethene             | 46.8   | 2.5 | 50     | 0         | 94   | 60      | 130     | 40.89     | 13.5(20)    |      |
| Methyl tert-butyl ether (MTBE) | 50     | 1.3 | 50     | 0         | 100  | 56      | 141     | 46.24     | 7.8(20)     |      |
| Benzene                        | 49.3   | 1.3 | 50     | 0         | 99   | 67      | 130     | 44.71     | 9.8(20)     |      |
| Trichloroethene                | 48     | 2.5 | 50     | 0         | 96   | 69      | 130     | 42.84     | 11.4(20)    |      |
| Toluene                        | 46.4   | 1.3 | 50     | 0         | 93   | 66      | 130     | 42.36     | 9.1(20)     |      |
| Chlorobenzene                  | 45.7   | 2.5 | 50     | 0         | 91   | 70      | 130     | 42.22     | 7.9(20)     |      |
| Ethylbenzene                   | 45.9   | 1.3 | 50     | 0         | 92   | 68      | 130     | 42.02     | 8.8(20)     |      |
| m,p-Xylene                     | 46.5   | 1.3 | 50     | 0         | 93   | 64      | 130     | 42.47     | 9.0(20)     |      |
| o-Xylene                       | 52.8   | 1.3 | 50     | 0         | 106  | 70      | 130     | 48.55     | 8.3(20)     |      |
| Surr: 1,2-Dichloroethane-d4    | 56.8   |     | 50     |           | 114  | 70      | 130     |           |             |      |
| Surr: Toluene-d8               | 48.6   |     | 50     |           | 97   | 70      | 130     |           |             |      |
| Surr: 4-Bromofluorobenzene     | 49.6   |     | 50     |           | 99   | 70      | 130     |           |             |      |



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**Date:**

*13-Oct-10*

## QC Summary Report

**Work Order:**

10100738

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**Comments:**

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



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Date:  
13-Oct-10

## QC Summary Report

Work Order:  
10100738

### Method Blank

Type **MBLK** Test Code: **EPA Method SW8260B**

File ID: **10101207.D**

Batch ID: **MS15W1012A**

Analysis Date: **10/12/2010 11:39**

Sample ID: **MBLK MS15W1012A**

Units: **µg/L**

Run ID: **MSD\_15\_101012A**

Prep Date: **10/12/2010 11:39**

| Analyte                           | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|-----------------------------------|--------|-----|--------|-----------|------|---------|---------|-----------|-------------|------|
| Dichlorodifluoromethane           | ND     |     | 1      |           |      |         |         |           |             |      |
| Chloromethane                     | ND     |     | 2      |           |      |         |         |           |             |      |
| Vinyl chloride                    | ND     | 0.5 |        |           |      |         |         |           |             |      |
| Chloroethane                      | ND     |     | 1      |           |      |         |         |           |             |      |
| Bromomethane                      | ND     |     | 2      |           |      |         |         |           |             |      |
| Trichlorofluoromethane            | ND     |     | 10     |           |      |         |         |           |             |      |
| Acetone                           | ND     |     | 10     |           |      |         |         |           |             |      |
| 1,1-Dichloroethene                | ND     |     | 1      |           |      |         |         |           |             |      |
| Tertiary Butyl Alcohol (TBA)      | ND     |     | 10     |           |      |         |         |           |             |      |
| Dichloromethane                   | ND     |     | 5      |           |      |         |         |           |             |      |
| Freon-113                         | ND     |     | 10     |           |      |         |         |           |             |      |
| Carbon disulfide                  | ND     | 2.5 |        |           |      |         |         |           |             |      |
| trans-1,2-Dichloroethene          | ND     |     | 1      |           |      |         |         |           |             |      |
| Methyl tert-butyl ether (MTBE)    | ND     | 0.5 |        |           |      |         |         |           |             |      |
| 1,1-Dichloroethane                | ND     |     | 1      |           |      |         |         |           |             |      |
| Vinyl acetate                     | ND     |     | 50     |           |      |         |         |           |             |      |
| 2-Butanone (MEK)                  | ND     |     | 10     |           |      |         |         |           |             |      |
| Di-isopropyl Ether (DIPE)         | ND     |     | 1      |           |      |         |         |           |             |      |
| cis-1,2-Dichloroethene            | ND     |     | 1      |           |      |         |         |           |             |      |
| Bromochloromethane                | ND     |     | 1      |           |      |         |         |           |             |      |
| Chloroform                        | ND     |     | 1      |           |      |         |         |           |             |      |
| Ethyl Tertiary Butyl Ether (ETBE) | ND     |     | 1      |           |      |         |         |           |             |      |
| 2,2-Dichloropropane               | ND     |     | 1      |           |      |         |         |           |             |      |
| 1,2-Dichloroethane                | ND     | 0.5 |        |           |      |         |         |           |             |      |
| 1,1,1-Trichloroethane             | ND     |     | 1      |           |      |         |         |           |             |      |
| 1,1-Dichloropropene               | ND     |     | 1      |           |      |         |         |           |             |      |
| Carbon tetrachloride              | ND     |     | 1      |           |      |         |         |           |             |      |
| Benzene                           | ND     | 0.5 |        |           |      |         |         |           |             |      |
| Tertiary Amyl Methyl Ether (TAME) | ND     |     | 1      |           |      |         |         |           |             |      |
| Dibromomethane                    | ND     |     | 1      |           |      |         |         |           |             |      |
| 1,2-Dichloropropane               | ND     |     | 1      |           |      |         |         |           |             |      |
| Trichloroethene                   | ND     |     | 1      |           |      |         |         |           |             |      |
| Bromodichloromethane              | ND     |     | 1      |           |      |         |         |           |             |      |
| 4-Methyl-2-pentanone (MIBK)       | ND     | 10  |        |           |      |         |         |           |             |      |
| cis-1,3-Dichloropropene           | ND     | 0.5 |        |           |      |         |         |           |             |      |
| trans-1,3-Dichloropropene         | ND     | 0.5 |        |           |      |         |         |           |             |      |
| 1,1,2-Trichloroethane             | ND     |     | 1      |           |      |         |         |           |             |      |
| Toluene                           | ND     | 0.5 |        |           |      |         |         |           |             |      |
| 1,3-Dichloropropane               | ND     |     | 1      |           |      |         |         |           |             |      |
| 2-Hexanone                        | ND     | 5   |        |           |      |         |         |           |             |      |
| Dibromochloromethane              | ND     |     | 1      |           |      |         |         |           |             |      |
| 1,2-Dibromoethane (EDB)           | ND     | 2   |        |           |      |         |         |           |             |      |
| Tetrachloroethene                 | ND     |     | 1      |           |      |         |         |           |             |      |
| 1,1,1,2-Tetrachloroethane         | ND     |     | 1      |           |      |         |         |           |             |      |
| Chlorobenzene                     | ND     |     | 1      |           |      |         |         |           |             |      |
| Ethylbenzene                      | ND     | 0.5 |        |           |      |         |         |           |             |      |
| m,p-Xylene                        | ND     | 0.5 |        |           |      |         |         |           |             |      |
| Bromoform                         | ND     |     | 1      |           |      |         |         |           |             |      |
| Styrene                           | ND     |     | 1      |           |      |         |         |           |             |      |
| o-Xylene                          | ND     | 0.5 |        |           |      |         |         |           |             |      |
| 1,1,1,2,2-Tetrachloroethane       | ND     |     | 1      |           |      |         |         |           |             |      |
| 1,2,3-Trichloropropane            | ND     | 2   |        |           |      |         |         |           |             |      |
| Isopropylbenzene                  | ND     |     | 1      |           |      |         |         |           |             |      |
| Bromobenzene                      | ND     |     | 1      |           |      |         |         |           |             |      |
| n-Propylbenzene                   | ND     |     | 1      |           |      |         |         |           |             |      |
| 4-Chlorotoluene                   | ND     |     | 1      |           |      |         |         |           |             |      |
| 2-Chlorotoluene                   | ND     |     | 1      |           |      |         |         |           |             |      |
| 1,3,5-Trimethylbenzene            | ND     |     | 1      |           |      |         |         |           |             |      |
| tert-Butylbenzene                 | ND     |     | 1      |           |      |         |         |           |             |      |
| 1,2,4-Trimethylbenzene            | ND     |     | 1      |           |      |         |         |           |             |      |
| sec-Butylbenzene                  | ND     |     | 1      |           |      |         |         |           |             |      |
| 1,3-Dichlorobenzene               | ND     |     | 1      |           |      |         |         |           |             |      |
| 1,4-Dichlorobenzene               | ND     |     | 1      |           |      |         |         |           |             |      |
| 4-Isopropyltoluene                | ND     |     | 1      |           |      |         |         |           |             |      |
| 1,2-Dichlorobenzene               | ND     |     | 1      |           |      |         |         |           |             |      |





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Date:  
13-Oct-10

## QC Summary Report

Work Order:  
10100738

|                                    |      |    |     |    |     |  |
|------------------------------------|------|----|-----|----|-----|--|
| n-Butylbenzene                     | ND   | 1  |     |    |     |  |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND   | 5  |     |    |     |  |
| 1,2,4-Trichlorobenzene             | ND   | 2  |     |    |     |  |
| Naphthalene                        | ND   | 10 |     |    |     |  |
| 1,2,3-Trichlorobenzene             | ND   | 2  |     |    |     |  |
| Surr: 1,2-Dichloroethane-d4        | 9.58 | 10 | 96  | 70 | 130 |  |
| Surr: Toluene-d8                   | 10.4 | 10 | 104 | 70 | 130 |  |
| Surr: 4-Bromofluorobenzene         | 10.5 | 10 | 105 | 70 | 130 |  |

### Laboratory Control Spike

Type LCS

Test Code: EPA Method SW8260B

File ID: 10101203.D

Batch ID: MS15W1012A

Analysis Date: 10/12/2010 09:50

Sample ID: LCS MS15W1012A

Units: µg/L

Run ID: MSD\_15\_101012A

Prep Date: 10/12/2010 09:50

| Analyte                        | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|--------------------------------|--------|-----|--------|-----------|------|---------|---------|-----------|-------------|------|
| 1,1-Dichloroethene             | 10.9   | 1   | 10     |           | 109  | 80      | 120     |           |             |      |
| Methyl tert-butyl ether (MTBE) | 9.21   | 0.5 | 10     |           | 92   | 62      | 136     |           |             |      |
| Benzene                        | 11     | 0.5 | 10     |           | 110  | 70      | 130     |           |             |      |
| Trichloroethene                | 10.5   | 1   | 10     |           | 105  | 70      | 130     |           |             |      |
| Toluene                        | 10.9   | 0.5 | 10     |           | 109  | 80      | 120     |           |             |      |
| Chlorobenzene                  | 10.5   | 1   | 10     |           | 105  | 70      | 130     |           |             |      |
| Ethylbenzene                   | 11.4   | 0.5 | 10     |           | 114  | 80      | 120     |           |             |      |
| m,p-Xylene                     | 11.7   | 0.5 | 10     |           | 117  | 70      | 130     |           |             |      |
| o-Xylene                       | 11.5   | 0.5 | 10     |           | 115  | 70      | 130     |           |             |      |
| Surr: 1,2-Dichloroethane-d4    | 8.96   |     | 10     |           | 90   | 70      | 130     |           |             |      |
| Surr: Toluene-d8               | 10.1   |     | 10     |           | 101  | 70      | 130     |           |             |      |
| Surr: 4-Bromofluorobenzene     | 10.5   |     | 10     |           | 105  | 70      | 130     |           |             |      |

### Sample Matrix Spike

Type MS

Test Code: EPA Method SW8260B

File ID: 10101208.D

Batch ID: MS15W1012A

Analysis Date: 10/12/2010 12:01

Sample ID: 10100738-01AMS

Units: µg/L

Run ID: MSD\_15\_101012A

Prep Date: 10/12/2010 12:01

| Analyte                        | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|--------------------------------|--------|-----|--------|-----------|------|---------|---------|-----------|-------------|------|
| 1,1-Dichloroethene             | 48.8   | 2.5 | 50     | 0         | 98   | 60      | 130     |           |             |      |
| Methyl tert-butyl ether (MTBE) | 49.3   | 1.3 | 50     | 0         | 99   | 56      | 141     |           |             |      |
| Benzene                        | 50.3   | 1.3 | 50     | 0         | 101  | 67      | 130     |           |             |      |
| Trichloroethene                | 47.7   | 2.5 | 50     | 0         | 95   | 69      | 130     |           |             |      |
| Toluene                        | 47.3   | 1.3 | 50     | 0         | 95   | 66      | 130     |           |             |      |
| Chlorobenzene                  | 46.5   | 2.5 | 50     | 0         | 93   | 70      | 130     |           |             |      |
| Ethylbenzene                   | 49     | 1.3 | 50     | 0         | 98   | 68      | 130     |           |             |      |
| m,p-Xylene                     | 50.8   | 1.3 | 50     | 0         | 102  | 64      | 130     |           |             |      |
| o-Xylene                       | 51     | 1.3 | 50     | 0         | 102  | 70      | 130     |           |             |      |
| Surr: 1,2-Dichloroethane-d4    | 47.4   |     | 50     |           | 95   | 70      | 130     |           |             |      |
| Surr: Toluene-d8               | 49.2   |     | 50     |           | 98   | 70      | 130     |           |             |      |
| Surr: 4-Bromofluorobenzene     | 50     |     | 50     |           | 100  | 70      | 130     |           |             |      |

### Sample Matrix Spike Duplicate

Type MSD

Test Code: EPA Method SW8260B

File ID: 10101209.D

Batch ID: MS15W1012A

Analysis Date: 10/12/2010 12:23

Sample ID: 10100738-01AMSD

Units: µg/L

Run ID: MSD\_15\_101012A

Prep Date: 10/12/2010 12:23

| Analyte                        | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|--------------------------------|--------|-----|--------|-----------|------|---------|---------|-----------|-------------|------|
| 1,1-Dichloroethene             | 49.9   | 2.5 | 50     | 0         | 99.8 | 60      | 130     | 48.81     | 2.2(20)     |      |
| Methyl tert-butyl ether (MTBE) | 50.8   | 1.3 | 50     | 0         | 102  | 56      | 141     | 49.26     | 3.1(20)     |      |
| Benzene                        | 51     | 1.3 | 50     | 0         | 102  | 67      | 130     | 50.26     | 1.4(20)     |      |
| Trichloroethene                | 49     | 2.5 | 50     | 0         | 98   | 69      | 130     | 47.66     | 2.8(20)     |      |
| Toluene                        | 48.5   | 1.3 | 50     | 0         | 97   | 66      | 130     | 47.34     | 2.4(20)     |      |
| Chlorobenzene                  | 47.5   | 2.5 | 50     | 0         | 95   | 70      | 130     | 46.5      | 2.0(20)     |      |
| Ethylbenzene                   | 50.5   | 1.3 | 50     | 0         | 101  | 68      | 130     | 49.04     | 3.0(20)     |      |
| m,p-Xylene                     | 51.9   | 1.3 | 50     | 0         | 104  | 64      | 130     | 50.8      | 2.1(20)     |      |
| o-Xylene                       | 52.9   | 1.3 | 50     | 0         | 106  | 70      | 130     | 50.98     | 3.7(20)     |      |
| Surr: 1,2-Dichloroethane-d4    | 47.6   |     | 50     |           | 95   | 70      | 130     |           |             |      |
| Surr: Toluene-d8               | 48.7   |     | 50     |           | 97   | 70      | 130     |           |             |      |
| Surr: 4-Bromofluorobenzene     | 51.1   |     | 50     |           | 102  | 70      | 130     |           |             |      |



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

**Date:**

13-Oct-10

## QC Summary Report

**Work Order:**

10100738

**Comments:**

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

# CHAIN-OF-CUSTODY RECORD

# CA

**Alpha Analytical, Inc.**

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778  
 TEL: (775) 355-1044 FAX: (775) 355-0406

**WorkOrder : CHHL10100738**

**Report Due By : 5:00 PM On : 15-Oct-10**

| Report Attention | Phone Number     | E-Mail Address            |
|------------------|------------------|---------------------------|
| Daniel Jablonski | (213) 228-8271 x | daniel.jablonski@ch2m.com |
| Susan Clark      | (213) 228-8271 x | susan.clark@ch2m.com      |
| Vladimir Carino  | (213) 228-8271 x | vladimir.carino@ch2m.com  |

Client: CH2M Hill  
 1000 Wilshire Boulevard  
 21st Floor  
 Los Angeles, CA 90017

EDD Required : No

Sampled by : HH, TR

Date Printed  
**12-Oct-10**

Samples Received  
 07-Oct-10

Cooler Temp  
 3 °C

Job : KMEP DFSP Norwalk

Client's COC # : none

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date | No. of Bottles |     | Requested Tests |                              |                              | Sample Remarks                    |
|-----------------|------------------|--------|-----------------|----------------|-----|-----------------|------------------------------|------------------------------|-----------------------------------|
|                 |                  |        |                 | Alpha          | Sub | TPHE_W          | TPHIP_W                      | VOC_W                        |                                   |
| CHH10100738-01A | GMW-O-3          | AQ     | 10/05/10 09:37  | 8              | 0   | 6               | TPHE(0.10)<br>+Vinyl acetate | TPHE(0.10)<br>+Vinyl acetate |                                   |
| CHH10100738-02A | GMW-O-2          | AQ     | 10/05/10 10:10  | 8              | 0   | 6               | TPHE(0.10)<br>+Vinyl acetate | TPHE(0.10)<br>+Vinyl acetate |                                   |
| CHH10100738-03A | GMW-O-4          | AQ     | 10/05/10 08:39  | 8              | 0   | 6               | TPHE(0.10)<br>+Vinyl acetate | TPHE(0.10)<br>+Vinyl acetate |                                   |
| CHH10100738-04A | GMW-O-4(MID)     | AQ     | 10/05/10 08:12  | 8              | 0   | 6               | TPHE(0.10)<br>+Vinyl acetate | TPHE(0.10)<br>+Vinyl acetate |                                   |
| CHH10100738-05A | GMW-O-9          | AQ     | 10/05/10 10:40  | 8              | 0   | 6               | TPHE(0.10)<br>+Vinyl acetate | TPHE(0.10)<br>+Vinyl acetate |                                   |
| CHH10100738-06A | GMW-O-8          | AQ     | 10/05/10 11:35  | 8              | 0   | 6               | TPHE(0.10)<br>+Vinyl acetate | TPHE(0.10)<br>+Vinyl acetate |                                   |
| CHH10100738-07A | GMW-O-1          | AQ     | 10/05/10 12:06  | 8              | 0   | 6               | TPHE(0.10)<br>+Vinyl acetate | TPHE(0.10)<br>+Vinyl acetate |                                   |
| CHH10100738-08A | TB-2             | AQ     | 10/05/10 07:00  | 2              | 0   | 6               | TPHE(0.10)<br>+Vinyl acetate | TPHE(0.10)<br>+Vinyl acetate | Reno Trip Blanks 8/12/10, 8/24/10 |

**Comments:** Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Samples placed on 6 day TAT, due to one day lost during shipping. Amended 10/8/10 09:10 to change : sample ID for 17A, per email from Cody Sharbrough @ BlaineTech.KM. Amended #2 10/12/10 14:40 to change received date from 10/6/10 to 10/7/10, due to login error, therefore due date is 10/15/10.KM

Signature: *K Murray* Print Name: **K Murray** Company: **Alpha Analytical, Inc.** Date/Time: **10/12/10 1440**

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

# CHAIN-OF-CUSTODY RECORD

## Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778  
TEL: (775) 355-1044 FAX: (775) 355-0406

Client:

CH2M Hill  
1000 Wilshire Boulevard  
21st Floor  
Los Angeles, CA 90017

Report Attention Phone Number EMail Address

Daniel Jablonski (213) 228-8271 x daniel.jablonski@ch2m.com  
Susan Clark (213) 228-8271 x susan.clark@ch2m.com  
Vladimir Carino (213) 228-8271 x vladimir.carino@ch2m.com

PO :

Client's COC # : none Job : KMEP DFSP Norwalk

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

# CA

WorkOrder : CHHL10100738

Report Due By : 5:00 PM On : 15-Oct-10

EDD Required : No

Sampled by : HH, TR

Cooler Temp 3 °C Samples Received 07-Oct-10 Date Printed 12-Oct-10

### Requested Tests

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date   | No. of Bottles |     | Requested Tests |                                 | Sample Remarks                  |       |
|-----------------|------------------|--------|-------------------|----------------|-----|-----------------|---------------------------------|---------------------------------|-------|
|                 |                  |        |                   | Alpha          | Sub | TPHE_W          | TPHIP_W                         |                                 | VOC_W |
| CHH10100738-09A | GMW-36           | AQ     | 10/05/10<br>13:26 | 8              | 0   | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |       |
| CHH10100738-10A | GMW-O-15         | AQ     | 10/05/10<br>14:06 | 8              | 0   | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |       |
| CHH10100738-11A | MW-SF-12         | AQ     | 10/05/10<br>12:59 | 8              | 0   | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |       |
| CHH10100738-12A | DUP-5            | AQ     | 10/05/10<br>00:00 | 8              | 0   | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |       |
| CHH10100738-13A | MW-SF-11         | AQ     | 10/05/10<br>12:31 | 8              | 0   | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |       |
| CHH10100738-14A | EB-3             | AQ     | 10/05/10<br>14:45 | 8              | 0   | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |       |
| CHH10100738-15A | EB-4             | AQ     | 10/05/10<br>14:50 | 8              | 0   | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |       |
| CHH10100738-16A | MW-15            | AQ     | 10/05/10<br>07:54 | 8              | 0   | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |       |

### Comments:

Security seals intact. Frozen ice. Analysis: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Samples placed on 6 day TAT, due to one day lost during shipping. Amended 10/8/10 09:10 to change ; sample ID for 17A, per email from Cody Sharbrough @ BlaineTech.KM Amended #2 10/12/10 14:40 to change received date from 10/6/10 to 10/7/10, due to login error, therefore due date is 10/15/10.KM

Signature

*K Murray*

Logged in by:

Print Name

*K Murray*

Company

Alpha Analytical, Inc.

Date/Time

10/12/10 1440

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

# CHAIN-OF-CUSTODY RECORD

## Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778  
TEL: (775) 355-1044 FAX: (775) 355-0406

| Report Attention | Phone Number     | E-Mail Address            |
|------------------|------------------|---------------------------|
| Daniel Jablonski | (213) 228-8271 x | daniel.jablonski@ch2m.com |
| Susan Clark      | (213) 228-8271 x | susan.clark@ch2m.com      |
| Vladimir Carino  | (213) 228-8271 x | vladimir.carino@ch2m.com  |

WorkOrder : CHHL10100738

Report Due By : 5:00 PM On : 15-Oct-10

EDD Required : No

Sampled by : HH, TR

Cooler Temp 3 °C      Samples Received 07-Oct-10      Date Printed 12-Oct-10

Client: CH2M Hill  
1000 Wilshire Boulevard  
21st Floor  
Los Angeles, CA 90017

PO :  
Client's COC # : none      Job : KMEP DFSP Norwalk  
QC Level : S3      = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date   | No. of Bottles |     |     | Requested Tests                 |                                 |                                 | Sample Remarks |
|-----------------|------------------|--------|-------------------|----------------|-----|-----|---------------------------------|---------------------------------|---------------------------------|----------------|
|                 |                  |        |                   | Alpha          | Sub | TAT | TPHE_W                          | TPHP_W                          | VOC_W                           |                |
| CHH10100738-17A | MW-O-2           | AQ     | 10/05/10<br>14:16 | 8              | 0   | 6   | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                |
| CHH10100738-18A | GMW-O-18         | AQ     | 10/05/10<br>13:39 | 8              | 0   | 6   | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                |
| CHH10100738-19A | DUP-4            | AQ     | 10/05/10<br>00:00 | 8              | 0   | 6   | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                |
| CHH10100738-20A | MW-SF-13         | AQ     | 10/05/10<br>12:59 | 8              | 0   | 6   | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                |
| CHH10100738-21A | MW-SF-15         | AQ     | 10/05/10<br>12:33 | 8              | 0   | 6   | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                |
| CHH10100738-22A | DUP-6            | AQ     | 10/05/10<br>00:00 | 8              | 0   | 6   | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                |
| CHH10100738-23A | MW-SF-2          | AQ     | 10/05/10<br>11:33 | 8              | 0   | 6   | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                |
| CHH10100738-24A | GMW-O-12         | AQ     | 10/05/10<br>10:51 | 8              | 0   | 6   | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                |

Comments: Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Samples placed on 6 day TAT, due to one day lost during shipping. Amended 10/8/10 09:10 to change : sample ID for 17A, per email from Cody Sharbrough @ BlaineTech.KM Amended #2 10/12/10 14:40 to change received date from 10/6/10 to 10/7/10, due to login error, therefore due date is 10/15/10.KM

Signature

Print Name

Company

Date/Time

*K Murray*

*K Murray*

Alpha Analytical, Inc.

10/12/10 1440

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

# CHAIN-OF-CUSTODY RECORD

#2

# CA

## Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778  
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : CHHL10100738

Report Due By : 5:00 PM On : 15-Oct-10

Client:  
CH2M Hill  
1000 Wilshire Boulevard  
21st Floor  
Los Angeles, CA 90017

Report Attention Phone Number EMail Address

|                  |                  |                           |
|------------------|------------------|---------------------------|
| Daniel Jablonski | (213) 228-8271 x | daniel.jablonski@ch2m.com |
| Susan Clark      | (213) 228-8271 x | susan.clark@ch2m.com      |
| Vladimir Carino  | (213) 228-8271 x | vladimir.carino@ch2m.com  |

EDD Required : No

Sampled by : HH, TR

Cooler Temp 3 °C

Samples Received 07-Oct-10

Date Printed 12-Oct-10

PO : Client's COC # : none Job : KMPE DFSP Norwalk

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date | No. of Bottles |     |     | Requested Tests                 |                                 |                                 | Sample Remarks |
|-----------------|------------------|--------|-----------------|----------------|-----|-----|---------------------------------|---------------------------------|---------------------------------|----------------|
|                 |                  |        |                 | Alpha          | Sub | TAT | TPHE_W                          | TPHP_W                          | VOC_W                           |                |
| CHH10100738-25A | GMW-O-20         | AQ     | 10/05/10 10:17  | 8              | 0   | 6   | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                |
| CHH10100738-26A | MW-SF-10         | AQ     | 10/05/10 09:20  | 8              | 0   | 6   | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                |
| CHH10100738-27A | GMW-4            | AQ     | 10/05/10 08:31  | 8              | 0   | 6   | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                |

Comments: Security seals intact. Frozen ice. Analysis: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Samples placed on 6 day TAT, due to one day lost during shipping. Amended 10/8/10 09:10 to change : sample ID for 17A, per email from Cody Sharbrough @ BlaineTech.KM Amended #2 10/12/10 14:40 to change received date from 10/6/10 to 10/7/10, due to login error, therefore due date is 10/15/10.KM

Signature

*K Murray*

Logged in by:

Print Name

*K Murray*

Company

Alpha Analytical, Inc.

Date/Time

10/12/10 1440

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

# CHAIN-OF-CUSTODY RECORD

## Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778  
 TEL: (775) 355-1044 FAX: (775) 355-0406

Report Attention Phone Number EMail Address

|                  |                |   |                           |
|------------------|----------------|---|---------------------------|
| Daniel Jablonski | (213) 228-8271 | x | daniel.jablonski@ch2m.com |
| Susan Clark      | (213) 228-8271 | x | susan.clark@ch2m.com      |
| Vladimir Carino  | (213) 228-8271 | x | vladimir.carino@ch2m.com  |

**WorkOrder : CHHL10100738**  
**Report Due By : 5:00 PM On : 14-Oct-10**

EDD Required : No

Sampled by : HH, TR

Cooler Temp 3 °C Samples Received 06-Oct-10 Date Printed 08-Oct-10

Client: CH2M Hill  
 1000 Wilshire Boulevard  
 21st Floor  
 Los Angeles, CA 90017

Job : KMFP DFSP Norwalk  
 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date | No. of Bottles Alpha | Sub TAT | Requested Tests |                                 |                                 | Sample Remarks                       |
|-----------------|------------------|--------|-----------------|----------------------|---------|-----------------|---------------------------------|---------------------------------|--------------------------------------|
|                 |                  |        |                 |                      |         | TPHE_W          | TPHP_W                          | VOC_W                           |                                      |
| CHH10100738-01A | GMW-O-3          | AQ     | 10/05/10 09:37  | 8                    | 0       | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                                      |
| CHH10100738-02A | GMW-O-2          | AQ     | 10/05/10 10:10  | 8                    | 0       | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                                      |
| CHH10100738-03A | GMW-O-4          | AQ     | 10/05/10 08:39  | 8                    | 0       | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                                      |
| CHH10100738-04A | GMW-O-4(MID)     | AQ     | 10/05/10 08:12  | 8                    | 0       | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                                      |
| CHH10100738-05A | GMW-O-9          | AQ     | 10/05/10 10:40  | 8                    | 0       | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                                      |
| CHH10100738-06A | GMW-O-8          | AQ     | 10/05/10 11:35  | 8                    | 0       | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                                      |
| CHH10100738-07A | GMW-O-1          | AQ     | 10/05/10 12:06  | 8                    | 0       | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                                      |
| CHH10100738-08A | TB-2             | AQ     | 10/05/10 07:00  | 2                    | 0       | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate | Reno Trip Blanks 8/12/10,<br>8/24/10 |

**Comments:** Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Samples placed on 6 day TAT, due to one day lost during shipping. Amended 10/8/10 09:10 to change : sample ID for 17A, per email from Cody Sharbrough @ BlaineTech.KM

Signature: *K Murray* Print Name: **K Murray** Company: **Alpha Analytical, Inc.** Date/Time: **10/8/10 09:10**

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

# CHAIN-OF-CUSTODY RECORD

## Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778  
 TEL: (775) 355-1044 FAX: (775) 355-0406

| Report Attention | Phone Number     | E-Mail Address            |
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| Susan Clark      | (213) 228-8271 x | susan.clark@ch2m.com      |
| Vladimir Carino  | (213) 228-8271 x | vladimir.carino@ch2m.com  |

**WorkOrder : CHHL10100738**  
**Report Due By : 5:00 PM On : 14-Oct-10**

# CA

Client: CH2M Hill  
 1000 Wilshire Boulevard  
 21st Floor  
 Los Angeles, CA 90017

EDD Required : No

Sampled by : HH, TR

Date Printed  
**08-Oct-10**

Cooler Temp  
**3 °C**

Samples Received  
**06-Oct-10**

PO :  
 Client's COC # : none  
 QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates  
 Job : KMEP DFSP Norwalk

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date   | No. of Bottles Alpha | Sub TAT | Requested Tests |                                 |                                 | Sample Remarks                  |  |
|-----------------|------------------|--------|-------------------|----------------------|---------|-----------------|---------------------------------|---------------------------------|---------------------------------|--|
|                 |                  |        |                   |                      |         | TPHE_W          | TPHP_W                          | VOC_W                           |                                 |  |
| CHH10100738-09A | GMW-36           | AQ     | 10/05/10<br>13:26 | 8                    | 0       | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHP(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |  |
| CHH10100738-10A | GMW-O-15         | AQ     | 10/05/10<br>14:06 | 8                    | 0       | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHP(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |  |
| CHH10100738-11A | MW-SF-12         | AQ     | 10/05/10<br>12:59 | 8                    | 0       | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHP(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |  |
| CHH10100738-12A | DUP-5            | AQ     | 10/05/10<br>00:00 | 8                    | 0       | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHP(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |  |
| CHH10100738-13A | MW-SF-11         | AQ     | 10/05/10<br>12:31 | 8                    | 0       | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHP(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |  |
| CHH10100738-14A | EB-3             | AQ     | 10/05/10<br>14:45 | 8                    | 0       | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHP(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |  |
| CHH10100738-15A | EB-4             | AQ     | 10/05/10<br>14:50 | 8                    | 0       | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHP(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |  |
| CHH10100738-16A | MW-15            | AQ     | 10/05/10<br>07:54 | 8                    | 0       | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHP(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |  |

**Comments:** Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Samples placed on 6 day TAT, due to one day lost during shipping. Amended 10/8/10 09:10 to change : sample ID for 17A, per email from Cody Sharbrough @ BlaineTech.KM

Signature: *K Murray* Print Name: **K Murray** Company: **Alpha Analytical, Inc.** Date/Time: **10/8/10 09:10**

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other



# CHAIN-OF-CUSTODY RECORD

# CA

## Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778  
 TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : **CHHL10100738**

Report Due By : **5:00 PM On : 14-Oct-10**

| Report Attention | Phone Number     | E-Mail Address            |
|------------------|------------------|---------------------------|
| Daniel Jablonski | (213) 228-8271 x | daniel.jablonski@ch2m.com |
| Susan Clark      | (213) 228-8271 x | susan.clark@ch2m.com      |
| Vladimir Carino  | (213) 228-8271 x | vladimir.carino@ch2m.com  |

Client: CH2M Hill  
 1000 Wilshire Boulevard  
 21st Floor  
 Los Angeles, CA 90017

EDD Required : **No**

Sampled by : **HH, TR**

Cooler Temp **3 °C** Samples Received **06-Oct-10** Date Printed **08-Oct-10**

PO : Client's COC # : none Job : **KMEP DFSP Norwalk**  
 QC Level : **S3** = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date | No. of Bottles Alpha Sub | TAT | Requested Tests |                                 |                                 | Sample Remarks |  |
|-----------------|------------------|--------|-----------------|--------------------------|-----|-----------------|---------------------------------|---------------------------------|----------------|--|
|                 |                  |        |                 |                          |     | TPHE_W          | TPHP_W                          | VOC_W                           |                |  |
| CHH10100738-17A | MW-O-2           | AQ     | 10/05/10 14:16  | 8                        | 0   | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                |  |
| CHH10100738-18A | GMW-O-18         | AQ     | 10/05/10 13:39  | 8                        | 0   | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                |  |
| CHH10100738-19A | DUP-4            | AQ     | 10/05/10 00:00  | 8                        | 0   | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                |  |
| CHH10100738-20A | MW-SF-13         | AQ     | 10/05/10 12:59  | 8                        | 0   | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                |  |
| CHH10100738-21A | MW-SF-15         | AQ     | 10/05/10 12:33  | 8                        | 0   | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                |  |
| CHH10100738-22A | DUP-6            | AQ     | 10/05/10 00:00  | 8                        | 0   | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                |  |
| CHH10100738-23A | MW-SF-2          | AQ     | 10/05/10 11:33  | 8                        | 0   | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                |  |
| CHH10100738-24A | GMW-O-12         | AQ     | 10/05/10 10:51  | 8                        | 0   | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                |  |

Comments: Security seals intact. Frozen ice. Analysis: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Samples placed on 6 day TAT, due to one day lost during shipping. Amended 10/8/10 09:10 to change : sample ID for 17A, per email from Cody Sharbrough @ BlaineTech.KM

Logged in by: K Murray Signature K Murray Print Name K Murray Company Alpha Analytical, Inc. Date/Time 10/8/10 0910

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

# CHAIN-OF-CUSTODY RECORD

# CA

## Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778  
 TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : CHHL10100738

Report Due By : 5:00 PM On : 14-Oct-10

| Report Attention | Phone Number     | E-Mail Address            |
|------------------|------------------|---------------------------|
| Daniel Jablonski | (213) 228-8271 x | daniel.jablonski@ch2m.com |
| Susan Clark      | (213) 228-8271 x | susan.clark@ch2m.com      |
| Vladimir Carino  | (213) 228-8271 x | vladimir.carino@ch2m.com  |

Client: CH2M Hill  
 1000 Wilshire Boulevard  
 21st Floor  
 Los Angeles, CA 90017

EDD Required : No

Sampled by : HH, TR

PO : Client's COC # : none = Final Rpt, MBLK, LCS, MS/MSD With Surrogates  
 Job : KMEP DFSP Norwalk  
 Cooler Temp 3 °C Samples Received 06-Oct-10 Date Printed 08-Oct-10

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date | No. of Bottles |     | Requested Tests |                                 |                                 | Sample Remarks                  |  |
|-----------------|------------------|--------|-----------------|----------------|-----|-----------------|---------------------------------|---------------------------------|---------------------------------|--|
|                 |                  |        |                 | Alpha          | Sub | TPHE_W          | TPHP_W                          | VOC_W                           |                                 |  |
| CHH10100738-25A | GMW-O-20         | AQ     | 10/05/10 10:17  | 8              | 0   | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHP(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |  |
| CHH10100738-26A | MW-SF-10         | AQ     | 10/05/10 09:20  | 8              | 0   | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHP(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |  |
| CHH10100738-27A | GMW-4            | AQ     | 10/05/10 08:31  | 8              | 0   | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHP(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |  |

Comments: Security seals intact. Frozen ice. Analysis: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Samples placed on 6 day TAT, due to one day lost during shipping. Amended 10/8/10 09:10 to change : sample ID for 17A, per email from Cody Sharbrough @ BlaineTech.KM

Logged in by: K Murray Signature K Murray Print Name K Murray Company Alpha Analytical, Inc. Date/Time 10/01/10 09:10

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

# CHAIN-OF-CUSTODY RECORD

# CA

## Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778  
 TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : CHHL10100738

Report Due By : 5:00 PM On : 14-Oct-10

| Report Attention | Phone Number     | E-Mail Address            |
|------------------|------------------|---------------------------|
| Daniel Jablonski | (213) 228-8271 x | daniel.jablonski@ch2m.com |
| Susan Clark      | (213) 228-8271 x | susan.clark@ch2m.com      |
| Vladimir Carino  | (213) 228-8271 x | vladimir.carino@ch2m.com  |

EDD Required : No

Sampled by : HH, TR

Cooler Temp 3 °C Samples Received 06-Oct-10 Date Printed 07-Oct-10

Client: CH2M Hill  
 1000 Wilshire Boulevard  
 21st Floor  
 Los Angeles, CA 90017

PO :  
 Client's COC # : none  
 Job : KMFP DFSP Norwalk  
 QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

### Requested Tests

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date | No. of Bottles Alpha | Sub | TAT | TPHE_W                          | TPHP_W                          | VOC_W                           | Sample Remarks                       |
|-----------------|------------------|--------|-----------------|----------------------|-----|-----|---------------------------------|---------------------------------|---------------------------------|--------------------------------------|
| CHH10100738-01A | GMW-O-3          | AQ     | 10/05/10 09:37  | 8                    | 0   | 6   | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                                      |
| CHH10100738-02A | GMW-O-2          | AQ     | 10/05/10 10:10  | 8                    | 0   | 6   | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                                      |
| CHH10100738-03A | GMW-O-4          | AQ     | 10/05/10 08:39  | 8                    | 0   | 6   | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                                      |
| CHH10100738-04A | GMW-O-4(MID)     | AQ     | 10/05/10 08:12  | 8                    | 0   | 6   | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                                      |
| CHH10100738-05A | GMW-O-9          | AQ     | 10/05/10 10:40  | 8                    | 0   | 6   | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                                      |
| CHH10100738-06A | GMW-O-8          | AQ     | 10/05/10 11:35  | 8                    | 0   | 6   | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                                      |
| CHH10100738-07A | GMW-O-1          | AQ     | 10/05/10 12:06  | 8                    | 0   | 6   | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                                      |
| CHH10100738-08A | TB-2             | AQ     | 10/05/10 07:00  | 2                    | 0   | 6   | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate | Reno Trip Blanks 8/12/10,<br>8/24/10 |

Comments: Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Samples placed on 6 day TAT, due to one day lost during shipping.

Signature: *K Murray* Print Name: K Murray Company: Alpha Analytical, Inc. Date/Time: 10/7/10 1540

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

# CHAIN-OF-CUSTODY RECORD

# CA

## Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778  
 TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : **CHHL10100738**

Report Due By : **5:00 PM On : 14-Oct-10**

| Report Attention | Phone Number     | E-Mail Address            |
|------------------|------------------|---------------------------|
| Daniel Jablonski | (213) 228-8271 x | daniel.jablonski@ch2m.com |
| Susan Clark      | (213) 228-8271 x | susan.clark@ch2m.com      |
| Vladimir Carino  | (213) 228-8271 x | vladimir.carino@ch2m.com  |

Client:  
 CH2M Hill  
 1000 Wilshire Boulevard  
 21st Floor  
 Los Angeles, CA 90017

EDD Required : **No**

Sampled by : **HH, TR**

Date Printed  
**07-Oct-10**

Samples Received

Cooler Temp  
**3 °C**

06-Oct-10

Job : **KMEP DFSP Norwalk**

Client's COC # : **none**

QC Level : **S3**

= Final Rpt, MBLK, LCS, MS/MSD With Surrogates

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date | No. of Bottles Alpha Sub | TAT | Requested Tests |                                 |                                 | Sample Remarks |
|-----------------|------------------|--------|-----------------|--------------------------|-----|-----------------|---------------------------------|---------------------------------|----------------|
|                 |                  |        |                 |                          |     | TPHE_W          | TPHP_W                          | VOC_W                           |                |
| CHH10100738-09A | GMW-36           | AQ     | 10/05/10 13:26  | 8                        | 0   | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                |
| CHH10100738-10A | GMW-O-15         | AQ     | 10/05/10 14:06  | 8                        | 0   | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                |
| CHH10100738-11A | MW-SF-12         | AQ     | 10/05/10 12:59  | 8                        | 0   | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                |
| CHH10100738-12A | DUP-5            | AQ     | 10/05/10 00:00  | 8                        | 0   | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                |
| CHH10100738-13A | MW-SF-11         | AQ     | 10/05/10 12:31  | 8                        | 0   | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                |
| CHH10100738-14A | EB-3             | AQ     | 10/05/10 14:45  | 8                        | 0   | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                |
| CHH10100738-15A | EB-4             | AQ     | 10/05/10 14:50  | 8                        | 0   | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                |
| CHH10100738-16A | MW-15            | AQ     | 10/05/10 07:54  | 8                        | 0   | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                |

Comments: Security seals intact. Frozen ice. Analysis: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Samples placed on 6 day TAT, due to one day lost during shipping.

Logged in by: K Murray Signature K Murray Print Name K Murray Company Alpha Analytical, Inc. Date/Time 10/7/10 1540

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

# CHAIN-OF-CUSTODY RECORD

# CA

## Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778  
 TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : CHHL10100738

Report Due By : 5:00 PM On : 14-Oct-10

| Report Attention | Phone Number     | E Mail Address            |
|------------------|------------------|---------------------------|
| Daniel Jablonski | (213) 228-8271 x | daniel.jablonski@ch2m.com |
| Susan Clark      | (213) 228-8271 x | susan.clark@ch2m.com      |
| Vladimir Carino  | (213) 228-8271 x | vladimir.carino@ch2m.com  |

Client: CH2M Hill  
 1000 Wilshire Boulevard  
 21st Floor  
 Los Angeles, CA 90017

EDD Required : No

Sampled by : HH, TR

PO : Client's COC # : none Job : KMEP DFSP Norwalk  
 QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates  
 Cooler Temp 3 °C Samples Received 06-Oct-10 Date Printed 07-Oct-10

### Requested Tests

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date | No. of Bottles Alpha | Sub | TAT | TPHE_W                       | TPHIP_W                      | VOC_W                        | Sample Remarks |
|-----------------|------------------|--------|-----------------|----------------------|-----|-----|------------------------------|------------------------------|------------------------------|----------------|
| CHH10100738-17A | MW-O-1           | AQ     | 10/05/10 14:16  | 8                    | 0   | 6   | TPHE(0.10)<br>+Vinyl acetate | TPHE(0.10)<br>+Vinyl acetate | TPHE(0.10)<br>+Vinyl acetate |                |
| CHH10100738-18A | GMW-O-18         | AQ     | 10/05/10 13:39  | 8                    | 0   | 6   | TPHE(0.10)<br>+Vinyl acetate | TPHE(0.10)<br>+Vinyl acetate | TPHE(0.10)<br>+Vinyl acetate |                |
| CHH10100738-19A | DUP-4            | AQ     | 10/05/10 00:00  | 8                    | 0   | 6   | TPHE(0.10)<br>+Vinyl acetate | TPHE(0.10)<br>+Vinyl acetate | TPHE(0.10)<br>+Vinyl acetate |                |
| CHH10100738-20A | MW-SF-13         | AQ     | 10/05/10 12:59  | 8                    | 0   | 6   | TPHE(0.10)<br>+Vinyl acetate | TPHE(0.10)<br>+Vinyl acetate | TPHE(0.10)<br>+Vinyl acetate |                |
| CHH10100738-21A | MW-SF-15         | AQ     | 10/05/10 12:33  | 8                    | 0   | 6   | TPHE(0.10)<br>+Vinyl acetate | TPHE(0.10)<br>+Vinyl acetate | TPHE(0.10)<br>+Vinyl acetate |                |
| CHH10100738-22A | DUP-6            | AQ     | 10/05/10 00:00  | 8                    | 0   | 6   | TPHE(0.10)<br>+Vinyl acetate | TPHE(0.10)<br>+Vinyl acetate | TPHE(0.10)<br>+Vinyl acetate |                |
| CHH10100738-23A | MW-SF-2          | AQ     | 10/05/10 11:33  | 8                    | 0   | 6   | TPHE(0.10)<br>+Vinyl acetate | TPHE(0.10)<br>+Vinyl acetate | TPHE(0.10)<br>+Vinyl acetate |                |
| CHH10100738-24A | GMW-O-12         | AQ     | 10/05/10 10:51  | 8                    | 0   | 6   | TPHE(0.10)<br>+Vinyl acetate | TPHE(0.10)<br>+Vinyl acetate | TPHE(0.10)<br>+Vinyl acetate |                |

Comments: Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Samples placed on 6 day TAT, due to one day lost during shipping.

Logged in by: *K Murray* Signature  
 Print Name: *K Murray*  
 Company: Alpha Analytical, Inc.  
 Date/Time: 10/7/10 1:54p

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

# CHAIN-OF-CUSTODY RECORD

# CA

## Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778  
 TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : **CHHL10100738**

Report Due By : **5:00 PM On : 14-Oct-10**

| Report Attention | Phone Number     | E-Mail Address            |
|------------------|------------------|---------------------------|
| Daniel Jablonski | (213) 228-8271 x | daniel.jablonski@ch2m.com |
| Susan Clark      | (213) 228-8271 x | susan.clark@ch2m.com      |
| Vladimir Carino  | (213) 228-8271 x | vladimir.carino@ch2m.com  |

Client:  
 CH2M Hill  
 1000 Wilshire Boulevard  
 21st Floor  
 Los Angeles, CA 90017

EDD Required : **No**

Sampled by : **HH, TR**

Date Printed  
**07-Oct-10**

Samples Received  
**06-Oct-10**

Cooler Temp  
**3 °C**

PO :  
 Client's COC # : none  
 Job : **KMEP DFSP Norwalk**  
 QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date | No. of Bottles Alpha | Sub | TAT | Requested Tests                 |                                 |                                 | Sample Remarks |
|-----------------|------------------|--------|-----------------|----------------------|-----|-----|---------------------------------|---------------------------------|---------------------------------|----------------|
|                 |                  |        |                 |                      |     |     | TPHE_W                          | TPHP_W                          | VOC_W                           |                |
| CHH10100738-25A | GMW-O-20         | AQ     | 10/05/10 10:17  | 8                    | 0   | 6   | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                |
| CHH10100738-26A | MW-SF-10         | AQ     | 10/05/10 09:20  | 8                    | 0   | 6   | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                |
| CHH10100738-27A | GMW-4            | AQ     | 10/05/10 08:31  | 8                    | 0   | 6   | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                |

Comments: Security seals intact. Frozen ice. Analysis: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Samples placed on 6 day TAT, due to one day lost during shipping.

Logged in by: *K Murray* Signature *K Murray* Print Name Alpha Analytical, Inc. Company 10/7/10 1540 Date/Time

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

# BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE  
 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7774  
 PHONE (408) 573-0565

Alpha Analytical COC 2 of 3

CHAIN OF CUSTODY

CLIENT: Kinder Morgan

SITE: DFSP Norwalk

15306 Norwalk Blvd, Norwalk

CONDUCT ANALYSIS TO DETECT

TPHg, TPHp (EPA 8015M)

VOC's & Oxygenates (EPA 8260B)

LAB

Billing Information:  
 Kinder Morgan  
 1100 Town and Country Rd.  
 Orange CA 95112

Kinder Morgan Norwalk  
 Report to:  
 Dan Jablonski  
 CH2MHILL  
 1000 Wilshire Blvd 21st floor  
 Los Angeles, CA 90017

AMENDED

CHH10100738

| SAMPLE I.D. | DATE    | TIME | MATRIX | # | CONTAINERS   |      | ADDITIONAL INFORMATION | STATUS | CONDITION | LAB SAMPLE # |
|-------------|---------|------|--------|---|--------------|------|------------------------|--------|-----------|--------------|
|             |         |      |        |   | Preservation | Type |                        |        |           |              |
| MW-SF-12    | 10.5.10 | 1259 | AQ     | 8 | HCl          | VGA  |                        |        |           | 11           |
| DUP-5       |         |      | AQ     | 8 | HCl          | VGA  |                        |        |           | 12           |
| MW-SF-11    |         | 1231 | AQ     | 8 | HCl          | VGA  |                        |        |           | 13           |
| EB-3        |         | 1445 | AQ     | 8 | HCl          | VGA  |                        |        |           | 14           |
| EB-4        |         | 1450 | AQ     | 8 | HCl          | VGA  |                        |        |           | 15           |
| MW-15       |         | 0754 | AQ     | 8 | HCl          | VGA  |                        |        |           | 16           |
| MW-07       |         | 1414 | AQ     | 8 | HCl          | VGA  |                        |        |           | 17           |
| GMN-0-18    |         | 1339 | AQ     | 8 | HCl          | VGA  |                        |        |           | 18           |
| DUP-4       |         |      | AQ     | 8 | HCl          | VGA  |                        |        |           | 19           |
| MW-SF-13    |         | 1259 | AQ     | 8 | HCl          | VGA  |                        |        |           | 20           |

RESULTS NEEDED  
 NO LATER THAN

Standard

| RELEASED BY    | DATE    | TIME | RECEIVED BY          | DATE    | TIME |
|----------------|---------|------|----------------------|---------|------|
| TR [Signature] | 10/5/10 | 1545 | [Signature]          | 10/6/10 | 7:00 |
| [Signature]    |         | 7:11 | K Murray [Signature] | 10/7/10 | 1530 |
| [Signature]    |         |      |                      |         |      |

| SHIPPED VIA | TIME SENT | COOLER # |
|-------------|-----------|----------|
|             |           |          |

# BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE  
 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
 PHONE (408) 573-0555

LAB Alpha Analytical COC | of 3

Billing Information:  
 Kinder Morgan  
 1100 Town and Country Rd.  
 Orange CA 95112

Kinder Morgan Norwalk  
 Report to:  
 Dan Jablonski  
 CH2MHILL  
 1000 Wilshire Blvd 21st floor  
 Los Angeles, CA 90017

CHH10100738

| CONDUCT ANALYSIS TO DETECT     |   | ADD'L INFORMATION | STATUS | CONDITION | LAB SAMPLE # |
|--------------------------------|---|-------------------|--------|-----------|--------------|
| TPHg, TPHfp (EPA 8015M)        | X |                   |        |           | 01           |
| VOC's & Oxygenates (EPA 8260B) | X |                   |        |           | 02           |
|                                | X |                   |        |           | 03           |
|                                | X |                   |        |           | 04           |
|                                | X |                   |        |           | 05           |
|                                | X |                   |        |           | 06           |
|                                | X |                   |        |           | 07           |
|                                | X |                   |        |           | 08           |
|                                | X |                   |        |           | 09           |
|                                | X |                   |        |           | 10           |

| SAMPLE I.D.   | DATE    | TIME | MATRIX | CONTAINERS |                   | SAMPLING PERFORMED BY |
|---------------|---------|------|--------|------------|-------------------|-----------------------|
|               |         |      |        | #          | Preservation Type |                       |
| GMW-0-3       | 10/5/10 | 0937 | AQ     | 8          | HCl               | VOA                   |
| GMW-0-2       |         | 1010 | AQ     | 8          | HCl               | VOA                   |
| GMW-0-4       |         | 0839 | AQ     | 8          | HCl               | VOA                   |
| GMW-0-4 (dup) |         | 0812 | AQ     | 8          | HCl               | VOA                   |
| GMW-0-9       |         | 1040 | AQ     | 8          | HCl               | VOA                   |
| GMW-0-8       |         | 1135 | AQ     | 8          | HCl               | VOA                   |
| GMW-0-1       |         | 1206 | AQ     | 8          | HCl               | VOA                   |
| TB-2          |         | 0700 | AQ     | 2          | HCl               | VOA                   |
| GMW-36        |         | 1326 | AQ     | 8          | HCl               | VOA                   |
| GMW-0-15      |         | 1406 | AQ     | 8          | HCl               | VOA                   |

SAMPLING COMPLETED 10/5/10 1300  
 RESULTS NEEDED NO LATER THAN Standard

| RELEASED BY | TIME | RECEIVED BY  | DATE    | TIME |
|-------------|------|--------------|---------|------|
|             | 1545 |              | 10/6/10 | 711  |
|             | 711  | K Murray/AAN | 10/7/10 | 1530 |
|             |      |              |         |      |

| SHIPPED VIA | TIME SENT | COOLER # |
|-------------|-----------|----------|
|             |           |          |



# BLAINE

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1680 ROGERS AVENUE  
 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
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Alpha Analytical COC 2 of 3

CHAIN OF CUSTODY

CLIENT **Kinder Morgan**

SITE **DFSP Norwalk**

**15306 Norwalk Blvd, Norwalk**

CONTAINERS

| SAMPLE I.D.                         | DATE    | TIME  | MATRIX | # | Preservation | Type | TPHg, TPHp (EPA 8015M) | VOC's & Oxygenates (EPA 8260B) | CONDUCT ANALYSIS TO DETECT | LAB   | ADD'L INFORMATION | STATUS   | CONDITION | LAB SAMPLE # |
|-------------------------------------|---------|-------|--------|---|--------------|------|------------------------|--------------------------------|----------------------------|---|-------------------|----------|-----------|--------------|
| MW-SF-12                            | 10/5/10 | 1259  | AQ     | 8 | HCl          | VGA  | X                      | X                              |                            | Billing Information:<br>Kinder Morgan<br>1100 Town and Country Rd.<br>Orange CA 95112                                     |                   |          |           | 11           |
| DUP-5                               |         |       | AQ     | 8 | HCl          | VGA  | X                      | X                              |                            | Kindergarten Norwalk<br>Report to:<br>Dan Jablonski<br>CH2MHILL<br>1000 Wilshire Blvd 21st floor<br>Los Angeles, CA 90017 |                   |          |           | 12           |
| MW-SF-11                            |         | 1231  | AQ     | 8 | HCl          | VGA  | X                      | X                              |                            |   |                   |          |           | 13           |
| EB-3                                |         | 1445  | AQ     | 8 | HCl          | VGA  | X                      | X                              |                            |   |                   |          |           | 14           |
| EB-4                                |         | 1450  | AQ     | 8 | HCl          | VGA  | X                      | X                              |                            |   |                   |          |           | 15           |
| MW-15                               |         | 0754  | AQ     | 8 | HCl          | VGA  | X                      | X                              |                            |   |                   |          |           | 16           |
| MW-0-1                              |         | 1414  | AQ     | 8 | HCl          | VGA  | X                      | X                              |                            |   |                   |          |           | 17           |
| GMN-0-18                            |         | 1339  | AQ     | 8 | HCl          | VGA  | X                      | X                              |                            |   |                   |          |           | 18           |
| DUP-4                               |         |       | AQ     | 8 | HCl          | VGA  | X                      | X                              |                            |   |                   |          |           | 19           |
| MW-SF-13                            |         | 1259  | AQ     | 8 | HCl          | VGA  | X                      | X                              |                            |   |                   |          |           | 20           |
| SAMPLING PERFORMED BY <b>HH, TR</b> |         |       |        |   |              |      |                        |                                |                            | RESULTS NEEDED  | NO LATER THAN     | Standard |           |              |
| COMPLETED                           | 10/5/10 | 15:00 |        |   |              |      |                        |                                |                            |   |                   |          |           |              |

CHH10100738

sample ID should be MW-0-2 per lady ka

| RELEASED BY        | DATE    | TIME | RECEIVED BY         | DATE    | TIME |
|--------------------|---------|------|---------------------|---------|------|
| <i>TR</i>          | 10/5/10 | 1545 | <i>[Signature]</i>  | 10/6/10 | 7:00 |
| <i>[Signature]</i> | 10/5/10 | 7:11 | <i>K Murray/AAH</i> | 10/7/10 | 1530 |
| <i>[Signature]</i> |         |      |                     |         |      |

| SHIPPED VIA | TIME SENT | COOLER # |
|-------------|-----------|----------|
|             |           |          |

# BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE  
 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
 PHONE (408) 573-0555

LAB Alpha Analytical COC 3 of 3

Billing Information:  
 Kinder Morgan  
 1100 Town and Country Rd.  
 Orange CA 95112

Kinder Morgan Norwalk  
 Report to:  
 Dan Jablonski  
 CH2MHILL  
 1000 Wilshire Blvd 21st floor  
 Los Angeles, CA 90017

CHH10100738

CHAIN OF CUSTODY  
 CLIENT Kinder Morgan  
 SITE DFSP Norwalk  
 15306 Norwalk Blvd, Norwalk

| SAMPLE I.D. | DATE    | TIME | MATRIX | CONTAINERS |                   |
|-------------|---------|------|--------|------------|-------------------|
|             |         |      |        | #          | Preservation Type |
| MW-SF-12    | 10-5-10 | 1233 | AQ     | 8          | HCL VOA           |
| DUP-0       |         |      | AQ     | 8          |                   |
| MW-SF-2     |         | 1133 | AQ     | 8          |                   |
| GMW-0-12    |         | 1051 | AQ     | 8          |                   |
| GMW-0-20    |         | 1017 | AQ     | 8          |                   |
| MW-SF-10    |         | 0920 | AQ     | 8          |                   |
| GMW-4       |         | 0931 | AQ     | 8          |                   |

| CONDUCT ANALYSIS TO DETECT |                                | ADD'L INFORMATION | STATUS | CONDITION | LAB SAMPLE # |
|----------------------------|--------------------------------|-------------------|--------|-----------|--------------|
| TPHg, TPHp (EPA 8015M)     | VOC's & Oxygenates (EPA 8260B) |                   |        |           |              |
| X                          | X                              |                   |        |           | 21           |
| X                          | X                              |                   |        |           | 22           |
| X                          | X                              |                   |        |           | 23           |
| X                          | X                              |                   |        |           | 24           |
| X                          | X                              |                   |        |           | 25           |
| X                          | X                              |                   |        |           | 26           |
| X                          | X                              |                   |        |           | 27           |

SAMPLING PERFORMED BY HH, TR  
 COMPLETED 10-5-10 1500  
 RELEASED BY [Signature] TIME 1545 RECEIVED BY [Signature] DATE 10/6/10 TIME 715  
 RELEASED BY [Signature] TIME 715 RECEIVED BY [Signature] DATE 10/7/10 TIME 1530  
 RELEASED BY [Signature] TIME [ ] RECEIVED BY [Signature] DATE [ ] TIME [ ]  
 SHIPPED VIA [ ] COOLER # [ ]

| RESULTS NEEDED NO LATER THAN | DATE    | TIME |
|------------------------------|---------|------|
| Standard                     | 10/6/10 | 715  |
|                              | 10/7/10 | 1530 |



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135  
Date Received : 10/07/10

Job: KMEP DFSP Norwalk

Total Petroleum Hydrocarbons - Extractable (TPH-E) EPA Method SW8015B  
Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B

| Client ID :                 | Parameter                   | Concentration | Reporting Limit | Date Extracted | Date Analyzed |
|-----------------------------|-----------------------------|---------------|-----------------|----------------|---------------|
| <b>EXP-5</b>                |                             |               |                 |                |               |
| Lab ID : CHH10100748-01A    | TPH-E (Fuel Product)        | ND            | 0.10 mg/L       | 10/08/10 13:25 | 10/09/10      |
| Date Sampled 10/04/10 15:09 | Surr: Nonane                | 93            | (57-147) %REC   | 10/08/10 13:25 | 10/09/10      |
|                             | TPH-P (GRO)                 | ND            | 0.050 mg/L      | 10/12/10       | 10/12/10      |
|                             | Surr: 1,2-Dichloroethane-d4 | 110           | (70-130) %REC   | 10/12/10       | 10/12/10      |
|                             | Surr: Toluene-d8            | 97            | (70-130) %REC   | 10/12/10       | 10/12/10      |
|                             | Surr: 4-Bromofluorobenzene  | 99            | (70-130) %REC   | 10/12/10       | 10/12/10      |
| <b>GMW-O-5</b>              |                             |               |                 |                |               |
| Lab ID : CHH10100748-02A    | TPH-E (Fuel Product)        | ND            | 0.10 mg/L       | 10/08/10 13:25 | 10/08/10      |
| Date Sampled 10/04/10 15:41 | Surr: Nonane                | 103           | (57-147) %REC   | 10/08/10 13:25 | 10/08/10      |
|                             | TPH-P (GRO)                 | ND            | 0.050 mg/L      | 10/12/10       | 10/12/10      |
|                             | Surr: 1,2-Dichloroethane-d4 | 112           | (70-130) %REC   | 10/12/10       | 10/12/10      |
|                             | Surr: Toluene-d8            | 98            | (70-130) %REC   | 10/12/10       | 10/12/10      |
|                             | Surr: 4-Bromofluorobenzene  | 99            | (70-130) %REC   | 10/12/10       | 10/12/10      |
| <b>EB-2</b>                 |                             |               |                 |                |               |
| Lab ID : CHH10100748-03A    | TPH-E (Fuel Product)        | ND            | 0.10 mg/L       | 10/08/10 13:25 | 10/08/10      |
| Date Sampled 10/04/10 16:15 | Surr: Nonane                | 88            | (57-147) %REC   | 10/08/10 13:25 | 10/08/10      |
|                             | TPH-P (GRO)                 | ND            | 0.050 mg/L      | 10/12/10       | 10/12/10      |
|                             | Surr: 1,2-Dichloroethane-d4 | 111           | (70-130) %REC   | 10/12/10       | 10/12/10      |
|                             | Surr: Toluene-d8            | 97            | (70-130) %REC   | 10/12/10       | 10/12/10      |
|                             | Surr: 4-Bromofluorobenzene  | 101           | (70-130) %REC   | 10/12/10       | 10/12/10      |
| <b>MW-SF-3</b>              |                             |               |                 |                |               |
| Lab ID : CHH10100748-05A    | TPH-E (Fuel Product)        | 3.7 *         | 1.0 mg/L        | 10/08/10 13:25 | 10/09/10      |
| Date Sampled 10/04/10 14:52 | Surr: Nonane                | 0 S50         | (57-147) %REC   | 10/08/10 13:25 | 10/09/10      |
|                             | TPH-P (GRO)                 | ND O          | 0.50 mg/L       | 10/12/10       | 10/12/10      |
|                             | Surr: 1,2-Dichloroethane-d4 | 109           | (70-130) %REC   | 10/12/10       | 10/12/10      |
|                             | Surr: Toluene-d8            | 99            | (70-130) %REC   | 10/12/10       | 10/12/10      |
|                             | Surr: 4-Bromofluorobenzene  | 100           | (70-130) %REC   | 10/12/10       | 10/12/10      |
| <b>MW-SF-16</b>             |                             |               |                 |                |               |
| Lab ID : CHH10100748-06A    | TPH-E (Fuel Product)        | 1.4 *         | 0.10 mg/L       | 10/08/10 13:25 | 10/08/10      |
| Date Sampled 10/04/10 15:18 | Surr: Nonane                | 91            | (57-147) %REC   | 10/08/10 13:25 | 10/08/10      |
|                             | TPH-P (GRO)                 | 4.1           | 2.0 mg/L        | 10/12/10       | 10/12/10      |
|                             | Surr: 1,2-Dichloroethane-d4 | 109           | (70-130) %REC   | 10/12/10       | 10/12/10      |
|                             | Surr: Toluene-d8            | 98            | (70-130) %REC   | 10/12/10       | 10/12/10      |
|                             | Surr: 4-Bromofluorobenzene  | 98            | (70-130) %REC   | 10/12/10       | 10/12/10      |
| <b>GMW-O-11</b>             |                             |               |                 |                |               |
| Lab ID : CHH10100748-07A    | TPH-E (Fuel Product)        | 2.1 **        | 1.0 mg/L        | 10/08/10 13:25 | 10/09/10      |
| Date Sampled 10/04/10 15:41 | Surr: Nonane                | 0 S51         | (57-147) %REC   | 10/08/10 13:25 | 10/09/10      |
|                             | TPH-P (GRO)                 | 10            | 3.0 mg/L        | 10/12/10       | 10/12/10      |
|                             | Surr: 1,2-Dichloroethane-d4 | 114           | (70-130) %REC   | 10/12/10       | 10/12/10      |
|                             | Surr: Toluene-d8            | 100           | (70-130) %REC   | 10/12/10       | 10/12/10      |
|                             | Surr: 4-Bromofluorobenzene  | 99            | (70-130) %REC   | 10/12/10       | 10/12/10      |



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|                           |                 |                             |     |    |               |                |          |
|---------------------------|-----------------|-----------------------------|-----|----|---------------|----------------|----------|
| Client ID : <b>GMW-22</b> |                 |                             |     |    |               |                |          |
| Lab ID :                  | CHH10100748-08A | TPH-E (Fuel Product)        | 2.2 | ** | 0.10 mg/L     | 10/08/10 13:25 | 10/08/10 |
| Date Sampled              | 10/04/10 16:03  | Surr: Nonane                | 121 |    | (57-147) %REC | 10/08/10 13:25 | 10/08/10 |
|                           |                 | TPH-P (GRO)                 | 4.1 |    | 2.0 mg/L      | 10/12/10       | 10/12/10 |
|                           |                 | Surr: 1,2-Dichloroethane-d4 | 119 |    | (70-130) %REC | 10/12/10       | 10/12/10 |
|                           |                 | Surr: Toluene-d8            | 98  |    | (70-130) %REC | 10/12/10       | 10/12/10 |
|                           |                 | Surr: 4-Bromofluorobenzene  | 99  |    | (70-130) %REC | 10/12/10       | 10/12/10 |
| Client ID : <b>EB-1</b>   |                 |                             |     |    |               |                |          |
| Lab ID :                  | CHH10100748-09A | TPH-E (Fuel Product)        | ND  |    | 0.10 mg/L     | 10/08/10 13:25 | 10/08/10 |
| Date Sampled              | 10/04/10 16:10  | Surr: Nonane                | 94  |    | (57-147) %REC | 10/08/10 13:25 | 10/08/10 |
|                           |                 | TPH-P (GRO)                 | ND  |    | 0.050 mg/L    | 10/12/10       | 10/12/10 |
|                           |                 | Surr: 1,2-Dichloroethane-d4 | 118 |    | (70-130) %REC | 10/12/10       | 10/12/10 |
|                           |                 | Surr: Toluene-d8            | 97  |    | (70-130) %REC | 10/12/10       | 10/12/10 |
|                           |                 | Surr: 4-Bromofluorobenzene  | 101 |    | (70-130) %REC | 10/12/10       | 10/12/10 |
| Client ID : <b>EXP-1</b>  |                 |                             |     |    |               |                |          |
| Lab ID :                  | CHH10100748-10A | TPH-E (Fuel Product)        | ND  |    | 0.10 mg/L     | 10/08/10 13:25 | 10/19/10 |
| Date Sampled              | 10/04/10 08:43  | Surr: Nonane                | 112 |    | (57-147) %REC | 10/08/10 13:25 | 10/19/10 |
|                           |                 | TPH-P (GRO)                 | ND  |    | 0.050 mg/L    | 10/12/10       | 10/12/10 |
|                           |                 | Surr: 1,2-Dichloroethane-d4 | 116 |    | (70-130) %REC | 10/12/10       | 10/12/10 |
|                           |                 | Surr: Toluene-d8            | 97  |    | (70-130) %REC | 10/12/10       | 10/12/10 |
|                           |                 | Surr: 4-Bromofluorobenzene  | 101 |    | (70-130) %REC | 10/12/10       | 10/12/10 |
| Client ID : <b>EXP-2</b>  |                 |                             |     |    |               |                |          |
| Lab ID :                  | CHH10100748-11A | TPH-E (Fuel Product)        | ND  |    | 0.10 mg/L     | 10/08/10 13:25 | 10/08/10 |
| Date Sampled              | 10/04/10 09:29  | Surr: Nonane                | 105 |    | (57-147) %REC | 10/08/10 13:25 | 10/08/10 |
|                           |                 | TPH-P (GRO)                 | ND  |    | 0.050 mg/L    | 10/12/10       | 10/12/10 |
|                           |                 | Surr: 1,2-Dichloroethane-d4 | 118 |    | (70-130) %REC | 10/12/10       | 10/12/10 |
|                           |                 | Surr: Toluene-d8            | 96  |    | (70-130) %REC | 10/12/10       | 10/12/10 |
|                           |                 | Surr: 4-Bromofluorobenzene  | 102 |    | (70-130) %REC | 10/12/10       | 10/12/10 |
| Client ID : <b>EXP-3</b>  |                 |                             |     |    |               |                |          |
| Lab ID :                  | CHH10100748-12A | TPH-E (Fuel Product)        | ND  |    | 0.10 mg/L     | 10/08/10 13:25 | 10/08/10 |
| Date Sampled              | 10/04/10 08:07  | Surr: Nonane                | 93  |    | (57-147) %REC | 10/08/10 13:25 | 10/08/10 |
|                           |                 | TPH-P (GRO)                 | ND  |    | 0.050 mg/L    | 10/12/10       | 10/12/10 |
|                           |                 | Surr: 1,2-Dichloroethane-d4 | 117 |    | (70-130) %REC | 10/12/10       | 10/12/10 |
|                           |                 | Surr: Toluene-d8            | 98  |    | (70-130) %REC | 10/12/10       | 10/12/10 |
|                           |                 | Surr: 4-Bromofluorobenzene  | 101 |    | (70-130) %REC | 10/12/10       | 10/12/10 |

\*\*Note: Reported TPH-E (Fuel Product) may contain undifferentiated diesel range hydrocarbons.

\*Note: Reported TPH-E (Fuel Product) is composed primarily of diesel range hydrocarbons.

Gasoline Range Organics (GRO) C4-C13

Note: A silica gel cleanup was performed on sample -10A to clean up probable biogenic material.

O = Reporting Limits were increased due to sample foaming.

S50 = The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The laboratory control sample was acceptable.

S51 = Surrogate recovery could not be determined due to the presence of co-eluting hydrocarbons.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

*e*  
**10/19/10**

**Report Date**



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100748-01A  
Client I.D. Number: EXP-5

Sampled: 10/04/10 15:09  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 2.0 µg/L        | 46 Ethylbenzene                       | ND            | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 0.50 µg/L       | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 2.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 10 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 2.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 10 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 2.5 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 50 µg/L         | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 10 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 5.0 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 0.50 µg/L       | 68 1,2,4-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 110           | (70-130) %REC   |
| 28 Benzene                           | ND            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 97            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 99            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 0.50 µg/L       |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 0.50 µg/L       |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 5.0 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

ND = Not Detected

*Roger Scholl*

*Randy Gardner*

*Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

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*PS*

10/14/10

Report Date



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100748-02A  
Client I.D. Number: GMW-O-5

Sampled: 10/04/10 15:41  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 2.0 µg/L        | 46 Ethylbenzene                       | ND            | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 0.50 µg/L       | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 2.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 10 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 2.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 10 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 2.5 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 50 µg/L         | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 10 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 5.0 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 0.50 µg/L       | 68 1,2,4-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 112           | (70-130) %REC   |
| 28 Benzene                           | ND            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 98            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 99            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 0.50 µg/L       |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 0.50 µg/L       |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 5.0 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

ND = Not Detected

*Roger Scholl*

*Randy Gardner*

*Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

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*[Signature]*

10/14/10

Report Date

Page 1 of 1



# Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100748-03A  
Client I.D. Number: EB-2

Sampled: 10/04/10 16:15  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 2.0 µg/L        | 46 Ethylbenzene                       | ND            | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 0.50 µg/L       | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 2.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 10 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 2.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 10 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 2.5 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 50 µg/L         | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 10 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 5.0 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 0.50 µg/L       | 68 1,2,4-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 111           | (70-130) %REC   |
| 28 Benzene                           | ND            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 97            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 101           | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 0.50 µg/L       |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 0.50 µg/L       |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 5.0 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

ND = Not Detected

*Roger Scholl*

*Randy Gardner*

*Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
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*PS*

10/14/10

Report Date



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100748-04A  
Client I.D. Number: TB-1

Sampled: 10/04/10 07:00  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 2.0 µg/L        | 46 Ethylbenzene                       | ND            | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 0.50 µg/L       | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 2.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 10 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 2.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 10 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 2.5 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 50 µg/L         | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 10 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 5.0 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 0.50 µg/L       | 68 1,2,4-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 113           | (70-130) %REC   |
| 28 Benzene                           | ND            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 96            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 101           | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 0.50 µg/L       |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 0.50 µg/L       |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 5.0 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

10/14/10

Report Date

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.





# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100748-05A  
Client I.D. Number: MW-SF-3

Sampled: 10/04/10 14:52  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 5.0 µg/L        | 45 Chlorobenzene                      | ND            | 5.0 µg/L        |
| 2 Chloromethane                      | ND            | 20 µg/L         | 46 Ethylbenzene                       | ND            | 2.5 µg/L        |
| 3 Vinyl chloride                     | ND            | 5.0 µg/L        | 47 m,p-Xylene                         | 8.4           | 2.5 µg/L        |
| 4 Chloroethane                       | ND            | 5.0 µg/L        | 48 Bromoform                          | ND            | 5.0 µg/L        |
| 5 Bromomethane                       | ND            | 20 µg/L         | 49 Styrene                            | ND            | 5.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | 3.2           | 2.5 µg/L        |
| 7 Acetone                            | ND            | 100 µg/L        | 51 1,1,2,2-Tetrachloroethane          | ND            | 5.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 5.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 20 µg/L         |
| 9 Tertiary Butyl Alcohol (TBA)       | 3,000         | 50 µg/L         | 53 Isopropylbenzene                   | ND            | 5.0 µg/L        |
| 10 Dichloromethane                   | ND            | 20 µg/L         | 54 Bromobenzene                       | ND            | 5.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 5.0 µg/L        |
| 12 Carbon disulfide                  | 33            | 25 µg/L         | 56 4-Chlorotoluene                    | ND            | 5.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 5.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 5.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | 50            | 2.5 µg/L        | 58 1,3,5-Trimethylbenzene             | ND            | 5.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 5.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 5.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 500 µg/L        | 60 1,2,4-Trimethylbenzene             | ND            | 5.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 100 µg/L        | 61 sec-Butylbenzene                   | ND            | 5.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 5.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 5.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 5.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 5.0 µg/L        |
| 20 Bromochloromethane                | ND            | 5.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 5.0 µg/L        |
| 21 Chloroform                        | ND            | 5.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 5.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 5.0 µg/L        | 66 n-Butylbenzene                     | ND            | 5.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 5.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 30 µg/L         |
| 24 1,2-Dichloroethane                | ND            | 5.0 µg/L        | 68 1,2,4-Trichlorobenzene             | ND            | 20 µg/L         |
| 25 1,1,1-Trichloroethane             | ND            | 5.0 µg/L        | 69 Naphthalene                        | ND            | 20 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 5.0 µg/L        | 70 1,2,3-Trichloroethane              | ND            | 20 µg/L         |
| 27 Carbon tetrachloride              | ND            | 5.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 109           | (70-130) %REC   |
| 28 Benzene                           | 32            | 2.5 µg/L        | 72 Surr: Toluene-d8                   | 99            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 5.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 100           | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 5.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 5.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 5.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 5.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 25 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 5.0 µg/L        |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 5.0 µg/L        |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 5.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | 10            | 2.5 µg/L        |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 5.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 50 µg/L         |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 5.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 10 µg/L         |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 5.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 5.0 µg/L        |                                       |               |                 |

Reporting Limits were increased due to sample foaming.

ND = Not Detected

*Roger Scholl*

*Randy Gardner*

*Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

*[Signature]*

10/14/10

Report Date



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100748-06A  
Client I.D. Number: MW-SF-16

Sampled: 10/04/10 15:18  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 20 µg/L         | 45 Chlorobenzene                      | ND            | 20 µg/L         |
| 2 Chloromethane                      | ND            | 80 µg/L         | 46 Ethylbenzene                       | 39            | 10 µg/L         |
| 3 Vinyl chloride                     | ND            | 20 µg/L         | 47 m,p-Xylene                         | 160           | 10 µg/L         |
| 4 Chloroethane                       | ND            | 20 µg/L         | 48 Bromoform                          | ND            | 20 µg/L         |
| 5 Bromomethane                       | ND            | 80 µg/L         | 49 Styrene                            | ND            | 20 µg/L         |
| 6 Trichlorofluoromethane             | ND            | 20 µg/L         | 50 o-Xylene                           | 38            | 10 µg/L         |
| 7 Acetone                            | ND            | 400 µg/L        | 51 1,1,2,2-Tetrachloroethane          | ND            | 20 µg/L         |
| 8 1,1-Dichloroethene                 | ND            | 20 µg/L         | 52 1,2,3-Trichloropropane             | ND            | 80 µg/L         |
| 9 Tertiary Butyl Alcohol (TBA)       | 1,800         | 200 µg/L        | 53 Isopropylbenzene                   | ND            | 20 µg/L         |
| 10 Dichloromethane                   | ND            | 80 µg/L         | 54 Bromobenzene                       | ND            | 20 µg/L         |
| 11 Freon-113                         | ND            | 20 µg/L         | 55 n-Propylbenzene                    | ND            | 20 µg/L         |
| 12 Carbon disulfide                  | ND            | 100 µg/L        | 56 4-Chlorotoluene                    | ND            | 20 µg/L         |
| 13 trans-1,2-Dichloroethene          | ND            | 20 µg/L         | 57 2-Chlorotoluene                    | ND            | 20 µg/L         |
| 14 Methyl tert-butyl ether (MTBE)    | 170           | 10 µg/L         | 58 1,3,5-Trimethylbenzene             | ND            | 20 µg/L         |
| 15 1,1-Dichloroethane                | ND            | 20 µg/L         | 59 tert-Butylbenzene                  | ND            | 20 µg/L         |
| 16 Vinyl acetate                     | ND            | 2,000 µg/L      | 60 1,2,4-Trimethylbenzene             | 26            | 20 µg/L         |
| 17 2-Butanone (MEK)                  | ND            | 400 µg/L        | 61 sec-Butylbenzene                   | ND            | 20 µg/L         |
| 18 Di-isopropyl Ether (DIPE)         | 39            | 20 µg/L         | 62 1,3-Dichlorobenzene                | ND            | 20 µg/L         |
| 19 cis-1,2-Dichloroethene            | ND            | 20 µg/L         | 63 1,4-Dichlorobenzene                | ND            | 20 µg/L         |
| 20 Bromochloromethane                | ND            | 20 µg/L         | 64 4-Isopropyltoluene                 | ND            | 20 µg/L         |
| 21 Chloroform                        | ND            | 20 µg/L         | 65 1,2-Dichlorobenzene                | ND            | 20 µg/L         |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 20 µg/L         | 66 n-Butylbenzene                     | ND            | 20 µg/L         |
| 23 2,2-Dichloropropane               | ND            | 20 µg/L         | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 120 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 20 µg/L         | 68 1,2,4-Trichlorobenzene             | ND            | 80 µg/L         |
| 25 1,1,1-Trichloroethane             | ND            | 20 µg/L         | 69 Naphthalene                        | ND            | 80 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 20 µg/L         | 70 1,2,3-Trichlorobenzene             | ND            | 80 µg/L         |
| 27 Carbon tetrachloride              | ND            | 20 µg/L         | 71 Surr: 1,2-Dichloroethane-d4        | 109           | (70-130) %REC   |
| 28 Benzene                           | 1,600         | 10 µg/L         | 72 Surr: Toluene-d8                   | 98            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 20 µg/L         | 73 Surr: 4-Bromofluorobenzene         | 98            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 20 µg/L         |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 20 µg/L         |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 20 µg/L         |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 20 µg/L         |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 100 µg/L        |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 20 µg/L         |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 20 µg/L         |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 20 µg/L         |                                       |               |                 |
| 38 Toluene                           | 150           | 10 µg/L         |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 20 µg/L         |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 200 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 20 µg/L         |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 40 µg/L         |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 20 µg/L         |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 20 µg/L         |                                       |               |                 |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
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10/14/10

Report Date

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100748-07A  
Client I.D. Number: GMW-O-11

Sampled: 10/04/10 15:41  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 30 µg/L         | 45 Chlorobenzene                      | ND            | 30 µg/L         |
| 2 Chloromethane                      | ND            | 120 µg/L        | 46 Ethylbenzene                       | 89            | 15 µg/L         |
| 3 Vinyl chloride                     | ND            | 30 µg/L         | 47 m,p-Xylene                         | 170           | 15 µg/L         |
| 4 Chloroethane                       | ND            | 30 µg/L         | 48 Bromoform                          | ND            | 30 µg/L         |
| 5 Bromomethane                       | ND            | 120 µg/L        | 49 Styrene                            | ND            | 30 µg/L         |
| 6 Trichlorofluoromethane             | ND            | 30 µg/L         | 50 o-Xylene                           | 66            | 15 µg/L         |
| 7 Acetone                            | ND            | 600 µg/L        | 51 1,1,2,2-Tetrachloroethane          | ND            | 30 µg/L         |
| 8 1,1-Dichloroethene                 | ND            | 30 µg/L         | 52 1,2,3-Trichloropropane             | ND            | 120 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | 560           | 300 µg/L        | 53 Isopropylbenzene                   | ND            | 30 µg/L         |
| 10 Dichloromethane                   | ND            | 120 µg/L        | 54 Bromobenzene                       | ND            | 30 µg/L         |
| 11 Freon-113                         | ND            | 30 µg/L         | 55 n-Propylbenzene                    | 56            | 30 µg/L         |
| 12 Carbon disulfide                  | ND            | 150 µg/L        | 56 4-Chlorotoluene                    | ND            | 30 µg/L         |
| 13 trans-1,2-Dichloroethene          | ND            | 30 µg/L         | 57 2-Chlorotoluene                    | ND            | 30 µg/L         |
| 14 Methyl tert-butyl ether (MTBE)    | 160           | 15 µg/L         | 58 1,3,5-Trimethylbenzene             | ND            | 30 µg/L         |
| 15 1,1-Dichloroethane                | ND            | 30 µg/L         | 59 tert-Butylbenzene                  | ND            | 30 µg/L         |
| 16 Vinyl acetate                     | ND            | 3,000 µg/L      | 60 1,2,4-Trimethylbenzene             | 39            | 30 µg/L         |
| 17 2-Butanone (MEK)                  | ND            | 600 µg/L        | 61 sec-Butylbenzene                   | ND            | 30 µg/L         |
| 18 Di-isopropyl Ether (DIPE)         | 32            | 30 µg/L         | 62 1,3-Dichlorobenzene                | ND            | 30 µg/L         |
| 19 cis-1,2-Dichloroethene            | ND            | 30 µg/L         | 63 1,4-Dichlorobenzene                | ND            | 30 µg/L         |
| 20 Bromochloromethane                | ND            | 30 µg/L         | 64 4-Isopropyltoluene                 | ND            | 30 µg/L         |
| 21 Chloroform                        | ND            | 30 µg/L         | 65 1,2-Dichlorobenzene                | ND            | 30 µg/L         |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 30 µg/L         | 66 n-Butylbenzene                     | ND            | 30 µg/L         |
| 23 2,2-Dichloropropane               | ND            | 30 µg/L         | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 180 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 30 µg/L         | 68 1,2,4-Trichlorobenzene             | ND            | 120 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 30 µg/L         | 69 Naphthalene                        | 150           | 120 µg/L        |
| 26 1,1-Dichloropropene               | ND            | 30 µg/L         | 70 1,2,3-Trichlorobenzene             | ND            | 120 µg/L        |
| 27 Carbon tetrachloride              | ND            | 30 µg/L         | 71 Surr: 1,2-Dichloroethane-d4        | 114           | (70-130) %REC   |
| 28 Benzene                           | 4,200         | 15 µg/L         | 72 Surr: Toluene-d8                   | 100           | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 30 µg/L         | 73 Surr: 4-Bromofluorobenzene         | 99            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 30 µg/L         |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 30 µg/L         |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 30 µg/L         |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 30 µg/L         |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 150 µg/L        |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 30 µg/L         |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 30 µg/L         |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 30 µg/L         |                                       |               |                 |
| 38 Toluene                           | 220           | 15 µg/L         |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 30 µg/L         |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 300 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 30 µg/L         |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 60 µg/L         |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 30 µg/L         |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 30 µg/L         |                                       |               |                 |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
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10/14/10

Report Date



# Alpha Analytical, Inc.

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## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100748-08A  
Client I.D. Number: GMW-22

Sampled: 10/04/10 16:03  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 20 µg/L         | 45 Chlorobenzene                      | ND            | 20 µg/L         |
| 2 Chloromethane                      | ND            | 80 µg/L         | 46 Ethylbenzene                       | 55            | 10 µg/L         |
| 3 Vinyl chloride                     | ND            | 20 µg/L         | 47 m,p-Xylene                         | 38            | 10 µg/L         |
| 4 Chloroethane                       | ND            | 20 µg/L         | 48 Bromoform                          | ND            | 20 µg/L         |
| 5 Bromomethane                       | ND            | 80 µg/L         | 49 Styrene                            | ND            | 20 µg/L         |
| 6 Trichlorofluoromethane             | ND            | 20 µg/L         | 50 o-Xylene                           | ND            | 10 µg/L         |
| 7 Acetone                            | ND            | 400 µg/L        | 51 1,1,2,2-Tetrachloroethane          | ND            | 20 µg/L         |
| 8 1,1-Dichloroethene                 | ND            | 20 µg/L         | 52 1,2,3-Trichloropropane             | ND            | 80 µg/L         |
| 9 Tertiary Butyl Alcohol (TBA)       | 1,300         | 200 µg/L        | 53 Isopropylbenzene                   | ND            | 20 µg/L         |
| 10 Dichloromethane                   | ND            | 80 µg/L         | 54 Bromobenzene                       | ND            | 20 µg/L         |
| 11 Freon-113                         | ND            | 20 µg/L         | 55 n-Propylbenzene                    | ND            | 20 µg/L         |
| 12 Carbon disulfide                  | ND            | 100 µg/L        | 56 4-Chlorotoluene                    | ND            | 20 µg/L         |
| 13 trans-1,2-Dichloroethene          | ND            | 20 µg/L         | 57 2-Chlorotoluene                    | ND            | 20 µg/L         |
| 14 Methyl tert-butyl ether (MTBE)    | 47            | 10 µg/L         | 58 1,3,5-Trimethylbenzene             | ND            | 20 µg/L         |
| 15 1,1-Dichloroethane                | ND            | 20 µg/L         | 59 tert-Butylbenzene                  | ND            | 20 µg/L         |
| 16 Vinyl acetate                     | ND            | 2,000 µg/L      | 60 1,2,4-Trimethylbenzene             | ND            | 20 µg/L         |
| 17 2-Butanone (MEK)                  | ND            | 400 µg/L        | 61 sec-Butylbenzene                   | ND            | 20 µg/L         |
| 18 Di-isopropyl Ether (DIPE)         | 50            | 20 µg/L         | 62 1,3-Dichlorobenzene                | ND            | 20 µg/L         |
| 19 cis-1,2-Dichloroethene            | ND            | 20 µg/L         | 63 1,4-Dichlorobenzene                | ND            | 20 µg/L         |
| 20 Bromochloromethane                | ND            | 20 µg/L         | 64 4-Isopropyltoluene                 | ND            | 20 µg/L         |
| 21 Chloroform                        | ND            | 20 µg/L         | 65 1,2-Dichlorobenzene                | ND            | 20 µg/L         |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 20 µg/L         | 66 n-Butylbenzene                     | ND            | 20 µg/L         |
| 23 2,2-Dichloropropane               | ND            | 20 µg/L         | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 120 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 20 µg/L         | 68 1,2,4-Trichlorobenzene             | ND            | 80 µg/L         |
| 25 1,1,1-Trichloroethane             | ND            | 20 µg/L         | 69 Naphthalene                        | ND            | 80 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 20 µg/L         | 70 1,2,3-Trichlorobenzene             | ND            | 80 µg/L         |
| 27 Carbon tetrachloride              | ND            | 20 µg/L         | 71 Surr: 1,2-Dichloroethane-d4        | 119           | (70-130) %REC   |
| 28 Benzene                           | 1,900         | 10 µg/L         | 72 Surr: Toluene-d8                   | 98            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 20 µg/L         | 73 Surr: 4-Bromofluorobenzene         | 99            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 20 µg/L         |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 20 µg/L         |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 20 µg/L         |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 20 µg/L         |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 100 µg/L        |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 20 µg/L         |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 20 µg/L         |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 20 µg/L         |                                       |               |                 |
| 38 Toluene                           | ND            | 10 µg/L         |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 20 µg/L         |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 200 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 20 µg/L         |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 40 µg/L         |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 20 µg/L         |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 20 µg/L         |                                       |               |                 |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

10/14/10

Report Date



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100748-09A  
Client I.D. Number: EB-1

Sampled: 10/04/10 16:10  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 2.0 µg/L        | 46 Ethylbenzene                       | ND            | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 0.50 µg/L       | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 2.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 10 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 2.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 10 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 2.5 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 50 µg/L         | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 10 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 5.0 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 0.50 µg/L       | 68 1,2,4-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 118           | (70-130) %REC   |
| 28 Benzene                           | ND            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 97            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 101           | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 0.50 µg/L       |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 0.50 µg/L       |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 5.0 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

ND = Not Detected

*Roger Scholl*

*Randy Gardner*

*Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

*RS*

10/14/10

Report Date



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100748-10A  
Client I.D. Number: EXP-1

Sampled: 10/04/10 08:43  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 2.0 µg/L        | 46 Ethylbenzene                       | ND            | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 0.50 µg/L       | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 2.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 10 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 2.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 10 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 2.5 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 50 µg/L         | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 10 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 5.0 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 0.50 µg/L       | 68 1,2,4-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 116           | (70-130) %REC   |
| 28 Benzene                           | ND            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 97            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 101           | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 0.50 µg/L       |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 0.50 µg/L       |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 5.0 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer  
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Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

10/14/10

Report Date



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100748-11A  
Client I.D. Number: EXP-2

Sampled: 10/04/10 09:29  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 2.0 µg/L        | 46 Ethylbenzene                       | ND            | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 0.50 µg/L       | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 2.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 10 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 2.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 10 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 2.5 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 50 µg/L         | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 10 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 5.0 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 0.50 µg/L       | 68 1,2,4-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 118           | (70-130) %REC   |
| 28 Benzene                           | ND            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 96            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 102           | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 0.50 µg/L       |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 0.50 µg/L       |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 5.0 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

ND = Not Detected

*Roger Scholl*

*Randy Gardner*

*Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

*PS*

10/14/10

Report Date

Page 1 of 1



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10100748-12A  
Client I.D. Number: EXP-3

Sampled: 10/04/10 08:07  
Received: 10/07/10  
Extracted: 10/12/10  
Analyzed: 10/12/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 2.0 µg/L        | 46 Ethylbenzene                       | ND            | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 0.50 µg/L       | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 2.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 10 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 2.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 10 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 2.5 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | 0.74          | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 50 µg/L         | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 10 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 5.0 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 0.50 µg/L       | 68 1,2,4-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 117           | (70-130) %REC   |
| 28 Benzene                           | ND            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 98            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 101           | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 0.50 µg/L       |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 0.50 µg/L       |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 5.0 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

10/14/10

Report Date





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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

---

## VOC Sample Preservation Report

**Work Order:** CHH10100748

**Job:** KMEP DFSP Norwalk

---

| Alpha's Sample ID | Client's Sample ID | Matrix  | pH |
|-------------------|--------------------|---------|----|
| 10100748-01A      | EXP-5              | Aqueous | 2  |
| 10100748-02A      | GMW-O-5            | Aqueous | 2  |
| 10100748-03A      | EB-2               | Aqueous | 2  |
| 10100748-04A      | TB-1               | Aqueous | 2  |
| 10100748-05A      | MW-SF-3            | Aqueous | 2  |
| 10100748-06A      | MW-SF-16           | Aqueous | 2  |
| 10100748-07A      | GMW-O-11           | Aqueous | 2  |
| 10100748-08A      | GMW-22             | Aqueous | 2  |
| 10100748-09A      | EB-1               | Aqueous | 2  |
| 10100748-10A      | EXP-1              | Aqueous | 2  |
| 10100748-11A      | EXP-2              | Aqueous | 2  |
| 10100748-12A      | EXP-3              | Aqueous | 2  |

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**10/14/10**  
**Report Date**



# Alpha Analytical, Inc.

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Date:  
14-Oct-10

## QC Summary Report

Work Order:  
10100748

### Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B / E**

File ID: **2A10081006.D**

Batch ID: **25228**

Analysis Date: **10/08/2010 15:49**

Sample ID: **MBLK-25228**

Units : **mg/L**

Run ID: **FID\_2\_101008A**

Prep Date: **10/08/2010 13:25**

| Analyte              | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|----------------------|--------|-----|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-E (Fuel Product) | ND     | 0.1 |        |           |      |         |         |           |             |      |
| Surr: Nonane         | 0.131  |     | 0.15   |           | 87   | 57      | 147     |           |             |      |

### Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B / E**

File ID: **2A10081007.D**

Batch ID: **25228**

Analysis Date: **10/08/2010 16:14**

Sample ID: **LCS-25228**

Units : **mg/L**

Run ID: **FID\_2\_101008A**

Prep Date: **10/08/2010 13:25**

| Analyte      | Result | PQL  | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|--------------|--------|------|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-E (DRO)  | 2.44   | 0.05 | 2.5    |           | 98   | 67      | 130     |           |             |      |
| Surr: Nonane | 0.15   |      | 0.15   |           | 100  | 57      | 147     |           |             |      |

### Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B / E**

File ID: **2A10081050.D**

Batch ID: **25228**

Analysis Date: **10/09/2010 10:51**

Sample ID: **10100738-22AMS**

Units : **mg/L**

Run ID: **FID\_2\_101008A**

Prep Date: **10/08/2010 13:25**

| Analyte      | Result | PQL  | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|--------------|--------|------|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-E (DRO)  | 3.38   | 0.05 | 2.5    | 1.908     | 59   | 49      | 150     |           |             |      |
| Surr: Nonane | 0      |      | 0.15   |           | 0    | 57      | 147     |           |             | S50  |

### Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B / E**

File ID: **2A10081010.D**

Batch ID: **25228**

Analysis Date: **10/08/2010 17:28**

Sample ID: **10100738-22AMSD**

Units : **mg/L**

Run ID: **FID\_2\_101008A**

Prep Date: **10/08/2010 13:25**

| Analyte      | Result | PQL  | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|--------------|--------|------|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-E (DRO)  | 4.25   | 0.05 | 2.5    | 1.908     | 94   | 49      | 150     | 3.378     | 22.8(38)    |      |
| Surr: Nonane | 0.143  |      | 0.15   |           | 95   | 57      | 147     |           |             |      |

### Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

S50 = The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The laboratory control sample recovery was acceptable.



# Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:  
14-Oct-10

## QC Summary Report

Work Order:  
10100748

### Method Blank

| Method Blank                                   |             | Type | Test Code: EPA Method SW8015 |           |      |                                 |         |           |             |      |  |
|--|-------------|------|------------------------------|-----------|------|---------------------------------|---------|-----------|-------------|------|--|
| File ID: C:\HPCHEM\MS07\DATA\101011\10101125.D |             | MBLK | Batch ID: MS07W1011B         |           |      | Analysis Date: 10/11/2010 20:24 |         |           |             |      |  |
| Sample ID: MBLK MS07W1011B                     | Units: mg/L |      | Run ID: MSD_07_101011C       |           |      | Prep Date: 10/11/2010 20:24     |         |           |             |      |  |
| Analyte  | Result      | PQL  | SpkVal                       | SpkRefVal | %REC | LCL(ME)                         | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |  |
| TPH-P (GRO)                                    | ND          | 0.05 |                              |           |      |                                 |         |           |             |      |  |
| Surr: 1,2-Dichloroethane-d4                    | 0.0107      |      | 0.01                         |           | 107  | 70                              | 130     |           |             |      |  |
| Surr: Toluene-d8                               | 0.00986     |      | 0.01                         |           | 99   | 70                              | 130     |           |             |      |  |
| Surr: 4-Bromofluorobenzene                     | 0.0103      |      | 0.01                         |           | 103  | 70                              | 130     |           |             |      |  |

### Laboratory Control Spike

| Laboratory Control Spike                       |             | Type | Test Code: EPA Method SW8015 |           |      |                                 |         |           |             |      |  |
|--|-------------|------|------------------------------|-----------|------|---------------------------------|---------|-----------|-------------|------|--|
| File ID: C:\HPCHEM\MS07\DATA\101011\10101122.D |             | LCS  | Batch ID: MS07W1011B         |           |      | Analysis Date: 10/11/2010 19:13 |         |           |             |      |  |
| Sample ID: GLCS MS07W1011B                     | Units: mg/L |      | Run ID: MSD_07_101011C       |           |      | Prep Date: 10/11/2010 19:13     |         |           |             |      |  |
| Analyte  | Result      | PQL  | SpkVal                       | SpkRefVal | %REC | LCL(ME)                         | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |  |
| TPH-P (GRO)                                    | 0.44        | 0.05 | 0.4                          |           | 110  | 70                              | 130     |           |             |      |  |
| Surr: 1,2-Dichloroethane-d4                    | 0.011       |      | 0.01                         |           | 110  | 70                              | 130     |           |             |      |  |
| Surr: Toluene-d8                               | 0.00988     |      | 0.01                         |           | 99   | 70                              | 130     |           |             |      |  |
| Surr: 4-Bromofluorobenzene                     | 0.0101      |      | 0.01                         |           | 101  | 70                              | 130     |           |             |      |  |

### Sample Matrix Spike

| Sample Matrix Spike                            |             | Type | Test Code: EPA Method SW8015 |           |      |                                 |         |           |             |      |  |
|--|-------------|------|------------------------------|-----------|------|---------------------------------|---------|-----------|-------------|------|--|
| File ID: C:\HPCHEM\MS07\DATA\101011\10101128.D |             | MS   | Batch ID: MS07W1011B         |           |      | Analysis Date: 10/11/2010 21:35 |         |           |             |      |  |
| Sample ID: 10100748-02AGS                      | Units: mg/L |      | Run ID: MSD_07_101011C       |           |      | Prep Date: 10/11/2010 21:35     |         |           |             |      |  |
| Analyte  | Result      | PQL  | SpkVal                       | SpkRefVal | %REC | LCL(ME)                         | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |  |
| TPH-P (GRO)                                    | 2.08        | 0.25 | 2                            | 0         | 104  | 58                              | 135     |           |             |      |  |
| Surr: 1,2-Dichloroethane-d4                    | 0.0532      |      | 0.05                         |           | 106  | 70                              | 130     |           |             |      |  |
| Surr: Toluene-d8                               | 0.0483      |      | 0.05                         |           | 97   | 70                              | 130     |           |             |      |  |
| Surr: 4-Bromofluorobenzene                     | 0.0507      |      | 0.05                         |           | 101  | 70                              | 130     |           |             |      |  |

### Sample Matrix Spike Duplicate

| Sample Matrix Spike Duplicate                  |             | Type | Test Code: EPA Method SW8015 |           |      |                                 |         |           |             |      |  |
|--|-------------|------|------------------------------|-----------|------|---------------------------------|---------|-----------|-------------|------|--|
| File ID: C:\HPCHEM\MS07\DATA\101011\10101129.D |             | MSD  | Batch ID: MS07W1011B         |           |      | Analysis Date: 10/11/2010 21:58 |         |           |             |      |  |
| Sample ID: 10100748-02AGSD                     | Units: mg/L |      | Run ID: MSD_07_101011C       |           |      | Prep Date: 10/11/2010 21:58     |         |           |             |      |  |
| Analyte  | Result      | PQL  | SpkVal                       | SpkRefVal | %REC | LCL(ME)                         | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |  |
| TPH-P (GRO)                                    | 2           | 0.25 | 2                            | 0         | 99.9 | 58                              | 135     | 2.081     | 4.1(20)     |      |  |
| Surr: 1,2-Dichloroethane-d4                    | 0.0531      |      | 0.05                         |           | 106  | 70                              | 130     |           |             |      |  |
| Surr: Toluene-d8                               | 0.049       |      | 0.05                         |           | 98   | 70                              | 130     |           |             |      |  |
| Surr: 4-Bromofluorobenzene                     | 0.0509      |      | 0.05                         |           | 102  | 70                              | 130     |           |             |      |  |

### Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.





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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:  
14-Oct-10

## QC Summary Report

Work Order:  
10100748

|                                    |      |    |    |  |     |    |     |  |  |  |
|------------------------------------|------|----|----|--|-----|----|-----|--|--|--|
| n-Butylbenzene                     | ND   | 1  |    |  |     |    |     |  |  |  |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND   | 5  |    |  |     |    |     |  |  |  |
| 1,2,4-Trichlorobenzene             | ND   | 2  |    |  |     |    |     |  |  |  |
| Naphthalene                        | ND   | 10 |    |  |     |    |     |  |  |  |
| 1,2,3-Trichlorobenzene             | ND   | 2  |    |  |     |    |     |  |  |  |
| Surr: 1,2-Dichloroethane-d4        | 10.7 |    | 10 |  | 107 | 70 | 130 |  |  |  |
| Surr: Toluene-d8                   | 9.86 |    | 10 |  | 99  | 70 | 130 |  |  |  |
| Surr: 4-Bromofluorobenzene         | 10.3 |    | 10 |  | 103 | 70 | 130 |  |  |  |

### Laboratory Control Spike

Type **LCS**

Test Code: **EPA Method SW8260B**

File ID: C:\HPCHEMMS07\DATA\101011\10101123.D

Batch ID: **MS07W1011A**

Analysis Date: **10/11/2010 19:37**

Sample ID: **LCS MS07W1011A**

Units: **µg/L**

Run ID: **MSD\_07\_101011C**

Prep Date: **10/11/2010 19:37**

| Analyte                        | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|--------------------------------|--------|-----|--------|-----------|------|---------|---------|-----------|-------------|------|
| 1,1-Dichloroethene             | 10.5   | 1   | 10     |           | 105  | 80      | 120     |           |             |      |
| Methyl tert-butyl ether (MTBE) | 10.7   | 0.5 | 10     |           | 107  | 62      | 136     |           |             |      |
| Benzene                        | 10.4   | 0.5 | 10     |           | 104  | 70      | 130     |           |             |      |
| Trichloroethene                | 10.6   | 1   | 10     |           | 106  | 70      | 130     |           |             |      |
| Toluene                        | 9.85   | 0.5 | 10     |           | 99   | 80      | 120     |           |             |      |
| Chlorobenzene                  | 9.71   | 1   | 10     |           | 97   | 70      | 130     |           |             |      |
| Ethylbenzene                   | 9.55   | 0.5 | 10     |           | 96   | 80      | 120     |           |             |      |
| m,p-Xylene                     | 9.68   | 0.5 | 10     |           | 97   | 70      | 130     |           |             |      |
| o-Xylene                       | 10.9   | 0.5 | 10     |           | 109  | 70      | 130     |           |             |      |
| Surr: 1,2-Dichloroethane-d4    | 10.8   |     | 10     |           | 108  | 70      | 130     |           |             |      |
| Surr: Toluene-d8               | 9.81   |     | 10     |           | 98   | 70      | 130     |           |             |      |
| Surr: 4-Bromofluorobenzene     | 9.98   |     | 10     |           | 99.8 | 70      | 130     |           |             |      |

### Sample Matrix Spike

Type **MS**

Test Code: **EPA Method SW8260B**

File ID: C:\HPCHEMMS07\DATA\101011\10101126.D

Batch ID: **MS07W1011A**

Analysis Date: **10/11/2010 20:47**

Sample ID: **10100748-02AMS**

Units: **µg/L**

Run ID: **MSD\_07\_101011C**

Prep Date: **10/11/2010 20:47**

| Analyte                        | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|--------------------------------|--------|-----|--------|-----------|------|---------|---------|-----------|-------------|------|
| 1,1-Dichloroethene             | 40.9   | 2.5 | 50     | 0         | 82   | 60      | 130     |           |             |      |
| Methyl tert-butyl ether (MTBE) | 46.2   | 1.3 | 50     | 0         | 92   | 56      | 141     |           |             |      |
| Benzene                        | 44.7   | 1.3 | 50     | 0         | 89   | 67      | 130     |           |             |      |
| Trichloroethene                | 42.8   | 2.5 | 50     | 0         | 86   | 69      | 130     |           |             |      |
| Toluene                        | 42.4   | 1.3 | 50     | 0         | 85   | 66      | 130     |           |             |      |
| Chlorobenzene                  | 42.2   | 2.5 | 50     | 0         | 84   | 70      | 130     |           |             |      |
| Ethylbenzene                   | 42     | 1.3 | 50     | 0         | 84   | 68      | 130     |           |             |      |
| m,p-Xylene                     | 42.5   | 1.3 | 50     | 0         | 85   | 64      | 130     |           |             |      |
| o-Xylene                       | 48.6   | 1.3 | 50     | 0         | 97   | 70      | 130     |           |             |      |
| Surr: 1,2-Dichloroethane-d4    | 54.1   |     | 50     |           | 108  | 70      | 130     |           |             |      |
| Surr: Toluene-d8               | 48.5   |     | 50     |           | 97   | 70      | 130     |           |             |      |
| Surr: 4-Bromofluorobenzene     | 50.7   |     | 50     |           | 101  | 70      | 130     |           |             |      |

### Sample Matrix Spike Duplicate

Type **MSD**

Test Code: **EPA Method SW8260B**

File ID: C:\HPCHEMMS07\DATA\101011\10101127.D

Batch ID: **MS07W1011A**

Analysis Date: **10/11/2010 21:11**

Sample ID: **10100748-02AMSD**

Units: **µg/L**

Run ID: **MSD\_07\_101011C**

Prep Date: **10/11/2010 21:11**

| Analyte                        | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|--------------------------------|--------|-----|--------|-----------|------|---------|---------|-----------|-------------|------|
| 1,1-Dichloroethene             | 46.8   | 2.5 | 50     | 0         | 94   | 60      | 130     | 40.89     | 13.5(20)    |      |
| Methyl tert-butyl ether (MTBE) | 50     | 1.3 | 50     | 0         | 100  | 56      | 141     | 46.24     | 7.8(20)     |      |
| Benzene                        | 49.3   | 1.3 | 50     | 0         | 99   | 67      | 130     | 44.71     | 9.8(20)     |      |
| Trichloroethene                | 48     | 2.5 | 50     | 0         | 96   | 69      | 130     | 42.84     | 11.4(20)    |      |
| Toluene                        | 46.4   | 1.3 | 50     | 0         | 93   | 66      | 130     | 42.36     | 9.1(20)     |      |
| Chlorobenzene                  | 45.7   | 2.5 | 50     | 0         | 91   | 70      | 130     | 42.22     | 7.9(20)     |      |
| Ethylbenzene                   | 45.9   | 1.3 | 50     | 0         | 92   | 68      | 130     | 42.02     | 8.8(20)     |      |
| m,p-Xylene                     | 46.5   | 1.3 | 50     | 0         | 93   | 64      | 130     | 42.47     | 9.0(20)     |      |
| o-Xylene                       | 52.8   | 1.3 | 50     | 0         | 106  | 70      | 130     | 48.55     | 8.3(20)     |      |
| Surr: 1,2-Dichloroethane-d4    | 56.8   |     | 50     |           | 114  | 70      | 130     |           |             |      |
| Surr: Toluene-d8               | 48.6   |     | 50     |           | 97   | 70      | 130     |           |             |      |
| Surr: 4-Bromofluorobenzene     | 49.6   |     | 50     |           | 99   | 70      | 130     |           |             |      |



# *Alpha Analytical, Inc.*

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

**Date:**  
*14-Oct-10*

## QC Summary Report

**Work Order:**  
10100748

**Comments:**

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

# CHAIN-OF-CUSTODY RECORD

# CA

## Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778  
 TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : CHHL10100748  
 Report Due By : 5:00 PM On : 15-Oct-10

| Report Attention | Phone Number     | E-Mail Address            |
|------------------|------------------|---------------------------|
| Daniel Jablonski | (213) 228-8271 x | daniel.jablonski@ch2m.com |
| Susan Clark      | (213) 228-8271 x | susan.clark@ch2m.com      |
| Vladimir Carino  | (213) 228-8271 x | vladimir.carino@ch2m.com  |


Client:  
 CH2M Hill  
 1000 Wilshire Boulevard  
 21st Floor  
 Los Angeles, CA 90017

EDD Required : No  
 Sampled by : TH, TR  
 Cooler Temp 3 °C  
 Samples Received 07-Oct-10  
 Date Printed 07-Oct-10

PO :  
 Client's COC # : none  
 Job : KMEP DFSP Norwalk  
 QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date   | No. of Bottles |     | TPHE_W | TPHIP_W                        | VOC_W                          | Requested Tests                | Sample Remarks               |
|-----------------|------------------|--------|-------------------|----------------|-----|--------|--------------------------------|--------------------------------|--------------------------------|------------------------------|
|                 |                  |        |                   | Alpha          | Sub |        |                                |                                |                                |                              |
| CHH10100748-01A | EXP-5            | AQ     | 10/04/10<br>15:09 | 8              | 0   | 6      | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                              |
| CHH10100748-02A | GMW-O-5          | AQ     | 10/04/10<br>15:41 | 8              | 0   | 6      | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                              |
| CHH10100748-03A | EB-2             | AQ     | 10/04/10<br>16:15 | 8              | 0   | 6      | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                              |
| CHH10100748-04A | TB-1             | AQ     | 10/04/10<br>07:00 | 2              | 0   | 6      | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | Reno Trip Blank, (2) 8/12/10 |
| CHH10100748-05A | MW-SF-3          | AQ     | 10/04/10<br>14:52 | 8              | 0   | 6      | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                              |
| CHH10100748-06A | MW-SF-16         | AQ     | 10/04/10<br>15:18 | 8              | 0   | 6      | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                              |
| CHH10100748-07A | GMW-O-11         | AQ     | 10/04/10<br>15:41 | 8              | 0   | 6      | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                              |
| CHH10100748-08A | GMW-22           | AQ     | 10/04/10<br>16:03 | 8              | 0   | 6      | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                              |

Comments: Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Samples placed on 6 day TAT, due to one day lost during shipping...

Logged in by:  Signature: Tara Jackson Print Name: Tara Jackson Company: Alpha Analytical, Inc. Date/Time: 10/7/10 1307

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

# CHAIN-OF-CUSTODY RECORD

# CA

## Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778  
 TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : CHHL10100748

Report Due By : 5:00 PM On : 15-Oct-10

**Client:**

CH2M Hill  
 1000 Wilshire Boulevard  
 21st Floor  
 Los Angeles, CA 90017

**Report Attention Phone Number EMail Address**

Daniel Jablonski (213) 228-8271 x daniel.jablonski@ch2m.com  
 Susan Clark (213) 228-8271 x susan.clark@ch2m.com  
 Vladimir Carino (213) 228-8271 x vladimir.carino@ch2m.com

EDD Required : No

Sampled by : TH, TR

**PO :**

Client's COC # : none Job : KMEP DFSP Norwalk

Cooler Temp 3 °C Samples Received 07-Oct-10 Date Printed 07-Oct-10

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date   | No. of Bottles |     | Requested Tests |                                 |                                 | Sample Remarks |
|-----------------|------------------|--------|-------------------|----------------|-----|-----------------|---------------------------------|---------------------------------|----------------|
|                 |                  |        |                   | Alpha          | Sub | TPHE_W          | TPHIP_W                         | VOC_W                           |                |
| CHH10100748-09A | EB-1             | AQ     | 10/04/10<br>16:10 | 8              | 0   | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                |
| CHH10100748-10A | EXP-1            | AQ     | 10/04/10<br>08:43 | 8              | 0   | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                |
| CHH10100748-11A | EXP-2            | AQ     | 10/04/10<br>09:29 | 8              | 0   | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                |
| CHH10100748-12A | EXP-3            | AQ     | 10/04/10<br>08:07 | 8              | 0   | 6               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |                |

**Comments:**

Security seals intact. Frozen ice. Analysis: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Samples placed on 6 day TAT, due to one day lost during shipping.

**Signature**

*Steve Johnson* Steve Johnson

**Print Name**

**Company**

**Date/Time**

Alpha Analytical, Inc. 10/7/10 1307

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other



# BLAINE

1680 ROGERS AVENUE  
 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
 PHONE (408) 573-0555

TECH SERVICES, INC.

Alpha Analytical COC 1 of 2

### CHAIN OF CUSTODY

CLIENT: Kinder Morgan

SITE: DFSP Norwalk

15306 Norwalk Blvd, Norwalk

| SAMPLE I.D. | DATE     | TIME | MATRIX | CONTAINERS |                   |
|-------------|----------|------|--------|------------|-------------------|
|             |          |      |        | #          | Preservation Type |
| EXP-5       | 10/04/10 | 1509 | AG     | 8          | VGA               |
| GMW-0-5     | 10/04/10 | 1541 | AG     | 8          | VGA               |
| EB-2        | 10/04/10 | 1615 | AG     | 8          | VGA               |
| TB-1        | 10/04/10 | 0700 | AG     | 2          | VGA               |
| MW-SF-3     | 10/04/10 | 1452 | AG     | 8          | VGA               |
| MW-SF-16    | 10/04/10 | 1518 | AG     | 8          | VGA               |
| GMW-SF-0-1  | 10/01/10 | 1541 | AG     | 8          | VOA               |
| GMW-22      | 10/04/10 | 1603 | AG     | 8          | VOA               |
| EB-1        | 10/04/10 | 1610 | AG     | 8          | VGA               |

CHH101003-48

| CONDUCT ANALYSIS TO DETECT |                                | ADD'L INFORMATION | STATUS | CONDITION | LAB SAMPLE # |
|----------------------------|--------------------------------|-------------------|--------|-----------|--------------|
| TPHg, TPHp (EPA 8015M)     | VOC's & Oxygenates (EPA 8260B) |                   |        |           |              |
| X                          | X                              |                   |        |           | -01          |
| X                          | X                              |                   |        |           | -02          |
| X                          | X                              |                   |        |           | -03          |
| X                          | X                              |                   |        |           | -04          |
| X                          | X                              |                   |        |           | -05          |
| X                          | X                              |                   |        |           | -06          |
| X                          | X                              |                   |        |           | -07          |
| X                          | X                              |                   |        |           | -08          |
| X                          | X                              |                   |        |           | -09          |

| SAMPLING COMPLETED | DATE | TIME | SAMPLING PERFORMED BY  | RESULTS NEEDED NO LATER THAN | RECEIVED BY | DATE    | TIME |
|--------------------|------|------|------------------------|------------------------------|-------------|---------|------|
| 10/04/10           | 1600 | 1630 | Neil Hy, Travis Rhymes | Standard                     | [Signature] | 10/4    | 1630 |
|                    |      | 715  |                        |                              | [Signature] | 10/6/10 | 715  |
|                    |      | 77   |                        |                              | [Signature] | 10/7/10 | 1307 |

SHIPPED VIA

# BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE  
 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
 PHONE (408) 573-0555

Alpha Analytical COC 2 of 2

CHAIN OF CUSTODY

CLIENT: Kinder Morgan

SITE: DFSP Norwalk

15306 Norwalk Blvd, Norwalk

CHH10100748

CONDUCT ANALYSIS TO DETECT

|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| TPHg, TPHp (EPA 8015M)         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| VOC's & Oxygenates (EPA 8260B) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

LAB: Billing Information:  
 Kinder Morgan  
 1100 Town and Country Rd.  
 Orange CA 95112

Kindergarten Norwalk  
 Report to:  
 Dan Jablonski  
 CH2MHILL  
 1000 Wilshire Blvd 21st floor  
 Los Angeles, CA 90017

| SAMPLE I.D. | DATE     | TIME | MATRIX | CONTAINERS | Preservation | Type | TPHg, TPHp (EPA 8015M) | VOC's & Oxygenates (EPA 8260B) | ADD'L INFORMATION | STATUS | CONDITION | LAB SAMPLE # |
|-------------|----------|------|--------|------------|--------------|------|------------------------|--------------------------------|-------------------|--------|-----------|--------------|
| EXP-1       | 10/04/10 | 0843 | Water  |            | HCl          | VOA  | X                      | X                              |                   |        |           | -10          |
| EXP-2       |          | 0929 | AG     |            | HCl          | NOA  | X                      | X                              |                   |        |           | -11          |
| EXP-3       |          | 0807 | AG     |            | HCl          | NOA  | X                      | X                              |                   |        |           | -12          |
|             |          |      |        |            |              |      |                        |                                |                   |        |           |              |
|             |          |      |        |            |              |      |                        |                                |                   |        |           |              |
|             |          |      |        |            |              |      |                        |                                |                   |        |           |              |
|             |          |      |        |            |              |      |                        |                                |                   |        |           |              |
|             |          |      |        |            |              |      |                        |                                |                   |        |           |              |
|             |          |      |        |            |              |      |                        |                                |                   |        |           |              |
|             |          |      |        |            |              |      |                        |                                |                   |        |           |              |
|             |          |      |        |            |              |      |                        |                                |                   |        |           |              |
|             |          |      |        |            |              |      |                        |                                |                   |        |           |              |
|             |          |      |        |            |              |      |                        |                                |                   |        |           |              |
|             |          |      |        |            |              |      |                        |                                |                   |        |           |              |
|             |          |      |        |            |              |      |                        |                                |                   |        |           |              |
|             |          |      |        |            |              |      |                        |                                |                   |        |           |              |
|             |          |      |        |            |              |      |                        |                                |                   |        |           |              |
|             |          |      |        |            |              |      |                        |                                |                   |        |           |              |
|             |          |      |        |            |              |      |                        |                                |                   |        |           |              |
|             |          |      |        |            |              |      |                        |                                |                   |        |           |              |
|             |          |      |        |            |              |      |                        |                                |                   |        |           |              |
|             |          |      |        |            |              |      |                        |                                |                   |        |           |              |
|             |          |      |        |            |              |      |                        |                                |                   |        |           |              |

RESULTS NEEDED NO LATER THAN: Standard

RECEIVED BY: [Signature] TIME: 1615 DATE: 10/6/10

RECEIVED BY: [Signature] TIME: 715 DATE: 10/6/10

RECEIVED BY: [Signature] TIME: 715 DATE: 10/7/10

SHIPPED VIA: [Signature] COOLER #



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135  
Date Received : 10/09/10

Job: KMEP DFSP Norwalk

Total Petroleum Hydrocarbons - Extractable (TPH-E) EPA Method SW8015B  
Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B

| Client ID                     | Lab ID                   | Date Sampled                | Parameter                   | Concentration | Reporting Limit | Date Extracted | Date Analyzed |
|-------------------------------|--------------------------|-----------------------------|-----------------------------|---------------|-----------------|----------------|---------------|
| Client ID : <b>MW-18(MID)</b> | Lab ID : CHH10101124-01A | Date Sampled 10/07/10 13:43 | TPH-E (Fuel Product)        | 1.0 *         | 1.0 mg/L        | 10/12/10 10:41 | 10/12/10      |
|                               |                          |                             | Surr: Nonane                | 106           | (57-147) %REC   | 10/12/10 10:41 | 10/12/10      |
|                               |                          |                             | TPH-P (GRO)                 | 1.1           | 0.30 mg/L       | 10/13/10       | 10/13/10      |
|                               |                          |                             | Surr: 1,2-Dichloroethane-d4 | 95            | (70-130) %REC   | 10/13/10       | 10/13/10      |
|                               |                          |                             | Surr: Toluene-d8            | 92            | (70-130) %REC   | 10/13/10       | 10/13/10      |
|                               |                          |                             | Surr: 4-Bromofluorobenzene  | 100           | (70-130) %REC   | 10/13/10       | 10/13/10      |
| Client ID : <b>EB-7</b>       | Lab ID : CHH10101124-02A | Date Sampled 10/07/10 14:45 | TPH-E (Fuel Product)        | ND            | 0.10 mg/L       | 10/12/10 10:41 | 10/12/10      |
|                               |                          |                             | Surr: Nonane                | 100           | (57-147) %REC   | 10/12/10 10:41 | 10/12/10      |
|                               |                          |                             | TPH-P (GRO)                 | ND            | 0.050 mg/L      | 10/13/10       | 10/13/10      |
|                               |                          |                             | Surr: 1,2-Dichloroethane-d4 | 105           | (70-130) %REC   | 10/13/10       | 10/13/10      |
|                               |                          |                             | Surr: Toluene-d8            | 90            | (70-130) %REC   | 10/13/10       | 10/13/10      |
|                               |                          |                             | Surr: 4-Bromofluorobenzene  | 101           | (70-130) %REC   | 10/13/10       | 10/13/10      |
| Client ID : <b>PZ-10</b>      | Lab ID : CHH10101124-03A | Date Sampled 10/07/10 12:59 | TPH-E (Fuel Product)        | 0.83 *        | 0.10 mg/L       | 10/12/10 10:41 | 10/12/10      |
|                               |                          |                             | Surr: Nonane                | 90            | (57-147) %REC   | 10/12/10 10:41 | 10/12/10      |
|                               |                          |                             | TPH-P (GRO)                 | ND O          | 0.10 mg/L       | 10/13/10       | 10/13/10      |
|                               |                          |                             | Surr: 1,2-Dichloroethane-d4 | 100           | (70-130) %REC   | 10/13/10       | 10/13/10      |
|                               |                          |                             | Surr: Toluene-d8            | 91            | (70-130) %REC   | 10/13/10       | 10/13/10      |
|                               |                          |                             | Surr: 4-Bromofluorobenzene  | 101           | (70-130) %REC   | 10/13/10       | 10/13/10      |
| Client ID : <b>GMW-O-10</b>   | Lab ID : CHH10101124-04A | Date Sampled 10/07/10 12:19 | TPH-E (Fuel Product)        | ND            | 0.10 mg/L       | 10/12/10 10:41 | 10/13/10      |
|                               |                          |                             | Surr: Nonane                | 84            | (57-147) %REC   | 10/12/10 10:41 | 10/13/10      |
|                               |                          |                             | TPH-P (GRO)                 | 0.38          | 0.050 mg/L      | 10/13/10       | 10/13/10      |
|                               |                          |                             | Surr: 1,2-Dichloroethane-d4 | 107           | (70-130) %REC   | 10/13/10       | 10/13/10      |
|                               |                          |                             | Surr: Toluene-d8            | 87            | (70-130) %REC   | 10/13/10       | 10/13/10      |
|                               |                          |                             | Surr: 4-Bromofluorobenzene  | 98            | (70-130) %REC   | 10/13/10       | 10/13/10      |
| Client ID : <b>GMW-27</b>     | Lab ID : CHH10101124-05A | Date Sampled 10/07/10 11:39 | TPH-E (Fuel Product)        | ND            | 0.10 mg/L       | 10/12/10 10:41 | 10/13/10      |
|                               |                          |                             | Surr: Nonane                | 107           | (57-147) %REC   | 10/12/10 10:41 | 10/13/10      |
|                               |                          |                             | TPH-P (GRO)                 | 0.13          | 0.050 mg/L      | 10/13/10       | 10/13/10      |
|                               |                          |                             | Surr: 1,2-Dichloroethane-d4 | 105           | (70-130) %REC   | 10/13/10       | 10/13/10      |
|                               |                          |                             | Surr: Toluene-d8            | 91            | (70-130) %REC   | 10/13/10       | 10/13/10      |
|                               |                          |                             | Surr: 4-Bromofluorobenzene  | 102           | (70-130) %REC   | 10/13/10       | 10/13/10      |
| Client ID : <b>GMW-14</b>     | Lab ID : CHH10101124-06A | Date Sampled 10/07/10 11:04 | TPH-E (Fuel Product)        | 0.62 *        | 0.10 mg/L       | 10/12/10 10:41 | 10/12/10      |
|                               |                          |                             | Surr: Nonane                | 92            | (57-147) %REC   | 10/12/10 10:41 | 10/12/10      |
|                               |                          |                             | TPH-P (GRO)                 | 0.16          | 0.10 mg/L       | 10/13/10       | 10/13/10      |
|                               |                          |                             | Surr: 1,2-Dichloroethane-d4 | 99            | (70-130) %REC   | 10/13/10       | 10/13/10      |
|                               |                          |                             | Surr: Toluene-d8            | 92            | (70-130) %REC   | 10/13/10       | 10/13/10      |
|                               |                          |                             | Surr: 4-Bromofluorobenzene  | 96            | (70-130) %REC   | 10/13/10       | 10/13/10      |



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

|              |                  |                             |     |               |                |          |
|--------------|------------------|-----------------------------|-----|---------------|----------------|----------|
| Client ID :  | <b>GMW-SF-10</b> |                             |     |               |                |          |
| Lab ID :     | CHH10101124-07A  | TPH-E (Fuel Product)        | ND  | 0.10 mg/L     | 10/12/10 10:41 | 10/12/10 |
| Date Sampled | 10/07/10 10:29   | Surr: Nonane                | 93  | (57-147) %REC | 10/12/10 10:41 | 10/12/10 |
|              |                  | TPH-P (GRO)                 | ND  | 0.050 mg/L    | 10/13/10       | 10/13/10 |
|              |                  | Surr: 1,2-Dichloroethane-d4 | 106 | (70-130) %REC | 10/13/10       | 10/13/10 |
|              |                  | Surr: Toluene-d8            | 90  | (70-130) %REC | 10/13/10       | 10/13/10 |
|              |                  | Surr: 4-Bromofluorobenzene  | 103 | (70-130) %REC | 10/13/10       | 10/13/10 |
| Client ID :  | <b>GMW-39</b>    |                             |     |               |                |          |
| Lab ID :     | CHH10101124-08A  | TPH-E (Fuel Product)        | ND  | 0.10 mg/L     | 10/12/10 10:41 | 10/12/10 |
| Date Sampled | 10/07/10 09:49   | Surr: Nonane                | 99  | (57-147) %REC | 10/12/10 10:41 | 10/12/10 |
|              |                  | TPH-P (GRO)                 | ND  | 0.050 mg/L    | 10/13/10       | 10/13/10 |
|              |                  | Surr: 1,2-Dichloroethane-d4 | 108 | (70-130) %REC | 10/13/10       | 10/13/10 |
|              |                  | Surr: Toluene-d8            | 88  | (70-130) %REC | 10/13/10       | 10/13/10 |
|              |                  | Surr: 4-Bromofluorobenzene  | 100 | (70-130) %REC | 10/13/10       | 10/13/10 |
| Client ID :  | <b>DUP-2</b>     |                             |     |               |                |          |
| Lab ID :     | CHH10101124-09A  | TPH-E (Fuel Product)        | ND  | 0.10 mg/L     | 10/12/10 10:41 | 10/12/10 |
| Date Sampled | 10/07/10 00:00   | Surr: Nonane                | 104 | (57-147) %REC | 10/12/10 10:41 | 10/12/10 |
|              |                  | TPH-P (GRO)                 | ND  | 0.050 mg/L    | 10/13/10       | 10/13/10 |
|              |                  | Surr: 1,2-Dichloroethane-d4 | 108 | (70-130) %REC | 10/13/10       | 10/13/10 |
|              |                  | Surr: Toluene-d8            | 87  | (70-130) %REC | 10/13/10       | 10/13/10 |
|              |                  | Surr: 4-Bromofluorobenzene  | 97  | (70-130) %REC | 10/13/10       | 10/13/10 |
| Client ID :  | <b>GMW-SF-9</b>  |                             |     |               |                |          |
| Lab ID :     | CHH10101124-10A  | TPH-E (Fuel Product)        | ND  | 0.10 mg/L     | 10/12/10 10:41 | 10/12/10 |
| Date Sampled | 10/07/10 09:14   | Surr: Nonane                | 101 | (57-147) %REC | 10/12/10 10:41 | 10/12/10 |
|              |                  | TPH-P (GRO)                 | ND  | 0.050 mg/L    | 10/13/10       | 10/13/10 |
|              |                  | Surr: 1,2-Dichloroethane-d4 | 111 | (70-130) %REC | 10/13/10       | 10/13/10 |
|              |                  | Surr: Toluene-d8            | 87  | (70-130) %REC | 10/13/10       | 10/13/10 |
|              |                  | Surr: 4-Bromofluorobenzene  | 100 | (70-130) %REC | 10/13/10       | 10/13/10 |
| Client ID :  | <b>MW-8</b>      |                             |     |               |                |          |
| Lab ID :     | CHH10101124-11A  | TPH-E (Fuel Product)        | ND  | 0.10 mg/L     | 10/12/10 10:41 | 10/12/10 |
| Date Sampled | 10/07/10 08:37   | Surr: Nonane                | 108 | (57-147) %REC | 10/12/10 10:41 | 10/12/10 |
|              |                  | TPH-P (GRO)                 | ND  | 0.050 mg/L    | 10/13/10       | 10/13/10 |
|              |                  | Surr: 1,2-Dichloroethane-d4 | 93  | (70-130) %REC | 10/13/10       | 10/13/10 |
|              |                  | Surr: Toluene-d8            | 93  | (70-130) %REC | 10/13/10       | 10/13/10 |
|              |                  | Surr: 4-Bromofluorobenzene  | 97  | (70-130) %REC | 10/13/10       | 10/13/10 |
| Client ID :  | <b>WCW-7</b>     |                             |     |               |                |          |
| Lab ID :     | CHH10101124-12A  | TPH-E (Fuel Product)        | ND  | 0.10 mg/L     | 10/12/10 10:41 | 10/12/10 |
| Date Sampled | 10/07/10 07:59   | Surr: Nonane                | 96  | (57-147) %REC | 10/12/10 10:41 | 10/12/10 |
|              |                  | TPH-P (GRO)                 | ND  | 0.050 mg/L    | 10/13/10       | 10/13/10 |
|              |                  | Surr: 1,2-Dichloroethane-d4 | 95  | (70-130) %REC | 10/13/10       | 10/13/10 |
|              |                  | Surr: Toluene-d8            | 95  | (70-130) %REC | 10/13/10       | 10/13/10 |
|              |                  | Surr: 4-Bromofluorobenzene  | 97  | (70-130) %REC | 10/13/10       | 10/13/10 |
| Client ID :  | <b>MW-7</b>      |                             |     |               |                |          |
| Lab ID :     | CHH10101124-13A  | TPH-E (Fuel Product)        | ND  | 0.10 mg/L     | 10/12/10 10:41 | 10/12/10 |
| Date Sampled | 10/07/10 07:22   | Surr: Nonane                | 104 | (57-147) %REC | 10/12/10 10:41 | 10/12/10 |
|              |                  | TPH-P (GRO)                 | ND  | 0.050 mg/L    | 10/13/10       | 10/13/10 |
|              |                  | Surr: 1,2-Dichloroethane-d4 | 96  | (70-130) %REC | 10/13/10       | 10/13/10 |
|              |                  | Surr: Toluene-d8            | 92  | (70-130) %REC | 10/13/10       | 10/13/10 |
|              |                  | Surr: 4-Bromofluorobenzene  | 98  | (70-130) %REC | 10/13/10       | 10/13/10 |
| Client ID :  | <b>DUP-8</b>     |                             |     |               |                |          |
| Lab ID :     | CHH10101124-14A  | TPH-E (Fuel Product)        | 1.8 | 0.10 mg/L     | 10/12/10 10:41 | 10/12/10 |
| Date Sampled | 10/07/10 00:00   | Surr: Nonane                | 104 | (57-147) %REC | 10/12/10 10:41 | 10/12/10 |
|              |                  | TPH-P (GRO)                 | 9.0 | 4.0 mg/L      | 10/13/10       | 10/13/10 |
|              |                  | Surr: 1,2-Dichloroethane-d4 | 92  | (70-130) %REC | 10/13/10       | 10/13/10 |
|              |                  | Surr: Toluene-d8            | 92  | (70-130) %REC | 10/13/10       | 10/13/10 |
|              |                  | Surr: 4-Bromofluorobenzene  | 97  | (70-130) %REC | 10/13/10       | 10/13/10 |



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|              |                 |                             |      |     |               |                |          |
|--------------|-----------------|-----------------------------|------|-----|---------------|----------------|----------|
| Client ID :  | <b>DUP-1</b>    |                             |      |     |               |                |          |
| Lab ID :     | CHH10101124-15A | TPH-E (Fuel Product)        | 1.8  | *   | 1.0 mg/L      | 10/12/10 10:41 | 10/12/10 |
| Date Sampled | 10/07/10 00:00  | Surr: Nonane                | 95   |     | (57-147) %REC | 10/12/10 10:41 | 10/12/10 |
|              |                 | TPH-P (GRO)                 | 0.49 |     | 0.20 mg/L     | 10/13/10       | 10/13/10 |
|              |                 | Surr: 1,2-Dichloroethane-d4 | 95   |     | (70-130) %REC | 10/13/10       | 10/13/10 |
|              |                 | Surr: Toluene-d8            | 90   |     | (70-130) %REC | 10/13/10       | 10/13/10 |
|              |                 | Surr: 4-Bromofluorobenzene  | 98   |     | (70-130) %REC | 10/13/10       | 10/13/10 |
| Client ID :  | <b>EB-8</b>     |                             |      |     |               |                |          |
| Lab ID :     | CHH10101124-16A | TPH-E (Fuel Product)        | ND   |     | 0.10 mg/L     | 10/12/10 10:41 | 10/12/10 |
| Date Sampled | 10/07/10 14:50  | Surr: Nonane                | 96   |     | (57-147) %REC | 10/12/10 10:41 | 10/12/10 |
|              |                 | TPH-P (GRO)                 | ND   |     | 0.050 mg/L    | 10/13/10       | 10/13/10 |
|              |                 | Surr: 1,2-Dichloroethane-d4 | 97   |     | (70-130) %REC | 10/13/10       | 10/13/10 |
|              |                 | Surr: Toluene-d8            | 89   |     | (70-130) %REC | 10/13/10       | 10/13/10 |
|              |                 | Surr: 4-Bromofluorobenzene  | 99   |     | (70-130) %REC | 10/13/10       | 10/13/10 |
| Client ID :  | <b>MW-SF-4</b>  |                             |      |     |               |                |          |
| Lab ID :     | CHH10101124-18A | TPH-E (Fuel Product)        | 31   | *   | 1.0 mg/L      | 10/12/10 10:41 | 10/12/10 |
| Date Sampled | 10/07/10 13:36  | Surr: Nonane                | 131  |     | (57-147) %REC | 10/12/10 10:41 | 10/12/10 |
|              |                 | TPH-P (GRO)                 | 30   |     | 10 mg/L       | 10/13/10       | 10/13/10 |
|              |                 | Surr: 1,2-Dichloroethane-d4 | 95   |     | (70-130) %REC | 10/13/10       | 10/13/10 |
|              |                 | Surr: Toluene-d8            | 93   |     | (70-130) %REC | 10/13/10       | 10/13/10 |
|              |                 | Surr: 4-Bromofluorobenzene  | 99   |     | (70-130) %REC | 10/13/10       | 10/13/10 |
| Client ID :  | <b>MW-9</b>     |                             |      |     |               |                |          |
| Lab ID :     | CHH10101124-19A | TPH-E (Fuel Product)        | 12   | *   | 0.50 mg/L     | 10/12/10 10:41 | 10/12/10 |
| Date Sampled | 10/07/10 08:59  | Surr: Nonane                | 48   | S51 | (57-147) %REC | 10/12/10 10:41 | 10/12/10 |
|              |                 | TPH-P (GRO)                 | 2.4  |     | 0.40 mg/L     | 10/14/10       | 10/14/10 |
|              |                 | Surr: 1,2-Dichloroethane-d4 | 112  |     | (70-130) %REC | 10/14/10       | 10/14/10 |
|              |                 | Surr: Toluene-d8            | 97   |     | (70-130) %REC | 10/14/10       | 10/14/10 |
|              |                 | Surr: 4-Bromofluorobenzene  | 98   |     | (70-130) %REC | 10/14/10       | 10/14/10 |
| Client ID :  | <b>GMW-1</b>    |                             |      |     |               |                |          |
| Lab ID :     | CHH10101124-20A | TPH-E (Fuel Product)        | 1.7  | *   | 0.10 mg/L     | 10/12/10 10:41 | 10/12/10 |
| Date Sampled | 10/07/10 08:24  | Surr: Nonane                | 104  |     | (57-147) %REC | 10/12/10 10:41 | 10/12/10 |
|              |                 | TPH-P (GRO)                 | 0.40 |     | 0.20 mg/L     | 10/14/10       | 10/14/10 |
|              |                 | Surr: 1,2-Dichloroethane-d4 | 115  |     | (70-130) %REC | 10/14/10       | 10/14/10 |
|              |                 | Surr: Toluene-d8            | 97   |     | (70-130) %REC | 10/14/10       | 10/14/10 |
|              |                 | Surr: 4-Bromofluorobenzene  | 100  |     | (70-130) %REC | 10/14/10       | 10/14/10 |
| Client ID :  | <b>MW-SF-9</b>  |                             |      |     |               |                |          |
| Lab ID :     | CHH10101124-21A | TPH-E (Fuel Product)        | 7.3  | *   | 1.0 mg/L      | 10/12/10 10:41 | 10/12/10 |
| Date Sampled | 10/07/10 07:44  | Surr: Nonane                | 162  | S51 | (57-147) %REC | 10/12/10 10:41 | 10/12/10 |
|              |                 | TPH-P (GRO)                 | 1.1  |     | 0.50 mg/L     | 10/14/10       | 10/14/10 |
|              |                 | Surr: 1,2-Dichloroethane-d4 | 113  |     | (70-130) %REC | 10/14/10       | 10/14/10 |
|              |                 | Surr: Toluene-d8            | 99   |     | (70-130) %REC | 10/14/10       | 10/14/10 |
|              |                 | Surr: 4-Bromofluorobenzene  | 100  |     | (70-130) %REC | 10/14/10       | 10/14/10 |
| Client ID :  | <b>PZ-5</b>     |                             |      |     |               |                |          |
| Lab ID :     | CHH10101124-22A | TPH-E (Fuel Product)        | 1.0  |     | 0.10 mg/L     | 10/12/10 12:34 | 10/12/10 |
| Date Sampled | 10/07/10 09:48  | Surr: Nonane                | 105  |     | (57-147) %REC | 10/12/10 12:34 | 10/12/10 |
|              |                 | TPH-P (GRO)                 | 6.3  |     | 4.0 mg/L      | 10/14/10       | 10/14/10 |
|              |                 | Surr: 1,2-Dichloroethane-d4 | 112  |     | (70-130) %REC | 10/14/10       | 10/14/10 |
|              |                 | Surr: Toluene-d8            | 100  |     | (70-130) %REC | 10/14/10       | 10/14/10 |
|              |                 | Surr: 4-Bromofluorobenzene  | 100  |     | (70-130) %REC | 10/14/10       | 10/14/10 |
| Client ID :  | <b>MW-SF-1</b>  |                             |      |     |               |                |          |
| Lab ID :     | CHH10101124-23A | TPH-E (Fuel Product)        | 5.0  | *   | 1.0 mg/L      | 10/12/10 12:34 | 10/12/10 |
| Date Sampled | 10/07/10 10:39  | Surr: Nonane                | 0    | S51 | (57-147) %REC | 10/12/10 12:34 | 10/12/10 |
|              |                 | TPH-P (GRO)                 | 10   |     | 10 mg/L       | 10/14/10       | 10/14/10 |
|              |                 | Surr: 1,2-Dichloroethane-d4 | 115  |     | (70-130) %REC | 10/14/10       | 10/14/10 |
|              |                 | Surr: Toluene-d8            | 99   |     | (70-130) %REC | 10/14/10       | 10/14/10 |
|              |                 | Surr: 4-Bromofluorobenzene  | 100  |     | (70-130) %REC | 10/14/10       | 10/14/10 |



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|              |                 |                             |     |     |               |                |          |
|--------------|-----------------|-----------------------------|-----|-----|---------------|----------------|----------|
| Client ID :  | <b>GMW-O-14</b> |                             |     |     |               |                |          |
| Lab ID :     | CHH10101124-24A | TPH-E (Fuel Product)        | 3.2 | **  | 1.0 mg/L      | 10/12/10 12:34 | 10/12/10 |
| Date Sampled | 10/07/10 11:31  | Surr: Nonane                | 0   | S51 | (57-147) %REC | 10/12/10 12:34 | 10/12/10 |
|              |                 | TPH-P (GRO)                 | 16  |     | 10 mg/L       | 10/14/10       | 10/14/10 |
|              |                 | Surr: 1,2-Dichloroethane-d4 | 117 |     | (70-130) %REC | 10/14/10       | 10/14/10 |
|              |                 | Surr: Toluene-d8            | 99  |     | (70-130) %REC | 10/14/10       | 10/14/10 |
|              |                 | Surr: 4-Bromofluorobenzene  | 100 |     | (70-130) %REC | 10/14/10       | 10/14/10 |
| Client ID :  | <b>GMW-9</b>    |                             |     |     |               |                |          |
| Lab ID :     | CHH10101124-25A | TPH-E (Fuel Product)        | 7.2 | **  | 1.0 mg/L      | 10/12/10 12:34 | 10/12/10 |
| Date Sampled | 10/07/10 12:52  | Surr: Nonane                | 0   | S51 | (57-147) %REC | 10/12/10 12:34 | 10/12/10 |
|              |                 | TPH-P (GRO)                 | 6.8 |     | 1.0 mg/L      | 10/14/10       | 10/14/10 |
|              |                 | Surr: 1,2-Dichloroethane-d4 | 113 |     | (70-130) %REC | 10/14/10       | 10/14/10 |
|              |                 | Surr: Toluene-d8            | 99  |     | (70-130) %REC | 10/14/10       | 10/14/10 |
|              |                 | Surr: 4-Bromofluorobenzene  | 98  |     | (70-130) %REC | 10/14/10       | 10/14/10 |
| Client ID :  | <b>DUP-3</b>    |                             |     |     |               |                |          |
| Lab ID :     | CHH10101124-26A | TPH-E (Fuel Product)        | 3.1 | **  | 1.0 mg/L      | 10/12/10 12:34 | 10/12/10 |
| Date Sampled | 10/07/10 00:00  | Surr: Nonane                | 0   | S51 | (57-147) %REC | 10/12/10 12:34 | 10/12/10 |
|              |                 | TPH-P (GRO)                 | 15  |     | 10 mg/L       | 10/14/10       | 10/14/10 |
|              |                 | Surr: 1,2-Dichloroethane-d4 | 115 |     | (70-130) %REC | 10/14/10       | 10/14/10 |
|              |                 | Surr: Toluene-d8            | 99  |     | (70-130) %REC | 10/14/10       | 10/14/10 |
|              |                 | Surr: 4-Bromofluorobenzene  | 100 |     | (70-130) %REC | 10/14/10       | 10/14/10 |

\*\*Note: Reported TPH-E (Fuel Product) may contain undifferentiated diesel range hydrocarbons.

\*Note: Reported TPH-E (Fuel Product) is composed primarily of diesel range hydrocarbons.

Gasoline Range Organics (GRO) C4-C13

O = Reporting Limits were increased due to sample foaming.

S51 = Surrogate recovery could not be determined due to the presence of the co-eluting hydrocarbons.

ND = Not Detected

*Roger Scholl*

*Randy Gardner*

*Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer  
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Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

*PS*

10/18/10

Report Date



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## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101124-01A  
Client I.D. Number: MW-18(MID)

Sampled: 10/07/10 13:43  
Received: 10/09/10  
Extracted: 10/13/10  
Analyzed: 10/13/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 3.0 µg/L        | 45 Chlorobenzene                      | ND            | 3.0 µg/L        |
| 2 Chloromethane                      | ND            | 12 µg/L         | 46 Ethylbenzene                       | ND            | 1.5 µg/L        |
| 3 Vinyl chloride                     | ND            | 3.0 µg/L        | 47 m,p-Xylene                         | ND            | 1.5 µg/L        |
| 4 Chloroethane                       | ND            | 3.0 µg/L        | 48 Bromoform                          | ND            | 3.0 µg/L        |
| 5 Bromomethane                       | ND            | 12 µg/L         | 49 Styrene                            | ND            | 3.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 1.5 µg/L        |
| 7 Acetone                            | ND            | 60 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 3.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 3.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 12 µg/L         |
| 9 Tertiary Butyl Alcohol (TBA)       | 150           | 30 µg/L         | 53 Isopropylbenzene                   | 14            | 3.0 µg/L        |
| 10 Dichloromethane                   | ND            | 12 µg/L         | 54 Bromobenzene                       | ND            | 3.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | 6.3           | 3.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 15 µg/L         | 56 4-Chlorotoluene                    | ND            | 3.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 3.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 3.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | 12            | 1.5 µg/L        | 58 1,3,5-Trimethylbenzene             | ND            | 3.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 3.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 3.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 300 µg/L        | 60 1,2,4-Trimethylbenzene             | ND            | 3.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 60 µg/L         | 61 sec-Butylbenzene                   | ND            | 3.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | 11            | 3.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 3.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 3.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 3.0 µg/L        |
| 20 Bromochloromethane                | ND            | 3.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 3.0 µg/L        |
| 21 Chloroform                        | ND            | 3.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 3.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 3.0 µg/L        | 66 n-Butylbenzene                     | ND            | 3.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 3.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 18 µg/L         |
| 24 1,2-Dichloroethane                | ND            | 3.0 µg/L        | 68 1,2,4-Trichlorobenzene             | ND            | 12 µg/L         |
| 25 1,1,1-Trichloroethane             | ND            | 3.0 µg/L        | 69 Naphthalene                        | ND            | 12 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 3.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 12 µg/L         |
| 27 Carbon tetrachloride              | ND            | 3.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 95            | (70-130) %REC   |
| 28 Benzene                           | 290           | 1.5 µg/L        | 72 Surr: Toluene-d8                   | 92            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 3.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 100           | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 3.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 3.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 3.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 3.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 15 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 3.0 µg/L        |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 3.0 µg/L        |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 3.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 1.5 µg/L        |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 3.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 30 µg/L         |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 3.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 6.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 3.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 3.0 µg/L        |                                       |               |                 |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

10/14/10

Report Date



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101124-02A  
Client I.D. Number: EB-7

Sampled: 10/07/10 14:45  
Received: 10/09/10  
Extracted: 10/13/10  
Analyzed: 10/13/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 2.0 µg/L        | 46 Ethylbenzene                       | ND            | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 0.50 µg/L       | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 2.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 10 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 2.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 10 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 2.5 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 50 µg/L         | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 10 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 5.0 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 0.50 µg/L       | 68 1,2,4-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 105           | (70-130) %REC   |
| 28 Benzene                           | ND            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 90            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 101           | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 0.50 µg/L       |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 0.50 µg/L       |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 5.0 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

10/14/10  
Report Date

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

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# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
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## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101124-03A  
Client I.D. Number: PZ-10

Sampled: 10/07/10 12:59  
Received: 10/09/10  
Extracted: 10/13/10  
Analyzed: 10/13/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 4.0 µg/L        | 46 Ethylbenzene                       | ND            | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 1.0 µg/L        | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 4.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 20 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 4.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 10 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 5.0 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 100 µg/L        | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 20 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 6.0 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 1.0 µg/L        | 68 1,2,4-Trichlorobenzene             | ND            | 4.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 4.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 100           | (70-130) %REC   |
| 28 Benzene                           | ND            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 91            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 101           | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 1.0 µg/L        |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 1.0 µg/L        |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 10 µg/L         |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

Some Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

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10/14/10

Report Date



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101124-04A  
Client I.D. Number: GMW-O-10

Sampled: 10/07/10 12:19  
Received: 10/09/10  
Extracted: 10/13/10  
Analyzed: 10/13/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 2.0 µg/L        | 46 Ethylbenzene                       | 0.51          | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 0.50 µg/L       | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 2.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 10 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 2.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 10 µg/L         | 53 Isopropylbenzene                   | 7.1           | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | 4.3           | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 2.5 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | 0.79          | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 50 µg/L         | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 10 µg/L         | 61 sec-Butylbenzene                   | 1.1           | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 5.0 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 0.50 µg/L       | 68 1,2,4-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 107           | (70-130) %REC   |
| 28 Benzene                           | 42            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 87            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 98            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 0.50 µg/L       |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 0.50 µg/L       |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | 1.2           | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 5.0 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

ND = Not Detected

*Roger Scholl*

*Randy Gardner*

*Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
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Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

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*[Signature]*  
10/14/10

Report Date



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101124-05A  
Client I.D. Number: GMW-27

Sampled: 10/07/10 11:39  
Received: 10/09/10  
Extracted: 10/13/10  
Analyzed: 10/13/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 2.0 µg/L        | 46 Ethylbenzene                       | ND            | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 0.50 µg/L       | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 2.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 10 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 2.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | 900           | 10 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 2.5 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | 6.2           | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 50 µg/L         | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 10 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | 17            | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 5.0 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 0.50 µg/L       | 68 1,2,4-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 105           | (70-130) %REC   |
| 28 Benzene                           | 1.9           | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 91            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 102           | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 0.50 µg/L       |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 0.50 µg/L       |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 5.0 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

ND = Not Detected

*Roger Scholl*

*Randy Gardner*

*Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

*PS*

10/14/10

Report Date



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101124-06A  
Client I.D. Number: GMW-14

Sampled: 10/07/10 11:04  
Received: 10/09/10  
Extracted: 10/13/10  
Analyzed: 10/13/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 4.0 µg/L        | 46 Ethylbenzene                       | ND            | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 1.0 µg/L        | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 4.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 20 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 4.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 10 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 5.0 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 100 µg/L        | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 20 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 6.0 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 1.0 µg/L        | 68 1,2,4-Trichlorobenzene             | ND            | 4.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 4.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 99            | (70-130) %REC   |
| 28 Benzene                           | ND            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 92            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 96            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 1.0 µg/L        |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 1.0 µg/L        |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 10 µg/L         |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

Some Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

10/14/10

Report Date

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.



# Alpha Analytical, Inc.

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## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101124-07A  
Client I.D. Number: GMW-SF-10

Sampled: 10/07/10 10:29  
Received: 10/09/10  
Extracted: 10/13/10  
Analyzed: 10/13/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 2.0 µg/L        | 46 Ethylbenzene                       | ND            | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 0.50 µg/L       | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 2.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 10 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 2.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 10 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 2.5 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 50 µg/L         | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 10 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 5.0 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 0.50 µg/L       | 68 1,2,4-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 106           | (70-130) %REC   |
| 28 Benzene                           | ND            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 90            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 103           | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 0.50 µg/L       |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 0.50 µg/L       |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 5.0 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

ND = Not Detected

*Roger Scholl*

*Randy Gardner*

*Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

*PS*

10/14/10

Report Date

Page 1 of 1



# Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101124-08A  
Client I.D. Number: GMW-39

Sampled: 10/07/10 09:49  
Received: 10/09/10  
Extracted: 10/13/10  
Analyzed: 10/13/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 2.0 µg/L        | 46 Ethylbenzene                       | ND            | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 0.50 µg/L       | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 2.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 10 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 2.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | 550           | 10 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 2.5 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | 0.75          | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 50 µg/L         | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 10 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 5.0 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 0.50 µg/L       | 68 1,2,4-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 108           | (70-130) %REC   |
| 28 Benzene                           | ND            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 88            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 100           | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 0.50 µg/L       |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 0.50 µg/L       |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 5.0 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

ND = Not Detected

*Roger Scholl*

*Randy Gardner*

*Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

*10/14/10*

10/14/10

Report Date



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101124-09A  
Client I.D. Number: DUP-2

Sampled: 10/07/10 00:00  
Received: 10/09/10  
Extracted: 10/13/10  
Analyzed: 10/13/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 2.0 µg/L        | 46 Ethylbenzene                       | ND            | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 0.50 µg/L       | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 2.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 10 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 2.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | 590           | 10 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 2.5 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 50 µg/L         | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 10 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 5.0 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 0.50 µg/L       | 68 1,2,4-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 108           | (70-130) %REC   |
| 28 Benzene                           | ND            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 87            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 97            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 0.50 µg/L       |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 0.50 µg/L       |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 5.0 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

10/14/10

Report Date



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101124-10A  
Client I.D. Number: GMW-SF-9

Sampled: 10/07/10 09:14  
Received: 10/09/10  
Extracted: 10/13/10  
Analyzed: 10/13/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 2.0 µg/L        | 46 Ethylbenzene                       | ND            | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 0.50 µg/L       | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 2.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 10 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 2.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 10 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 2.5 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 50 µg/L         | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 10 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 5.0 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 0.50 µg/L       | 68 1,2,4-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 111           | (70-130) %REC   |
| 28 Benzene                           | ND            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 87            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 100           | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 0.50 µg/L       |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 0.50 µg/L       |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 5.0 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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10/14/10

Report Date





# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101124-11A  
Client I.D. Number: MW-8

Sampled: 10/07/10 08:37  
Received: 10/09/10  
Extracted: 10/13/10  
Analyzed: 10/13/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 2.0 µg/L        | 46 Ethylbenzene                       | ND            | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 0.50 µg/L       | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 2.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 10 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 2.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | 1,600         | 20 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 2.5 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | 0.53          | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 5.0 µg/L        | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 10 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 5.0 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 0.50 µg/L       | 68 1,2,4-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 93            | (70-130) %REC   |
| 28 Benzene                           | ND            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 93            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 97            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 0.50 µg/L       |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 0.50 µg/L       |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 5.0 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

\*This analyte was analyzed separately on 10/14/10 in order to achieve lower reporting limits for the other analytes.

ND = Not Detected

*Roger Scholl*

*Randy Gardner*

*Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
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Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

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*PS*

10/14/10

Report Date



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101124-12A  
Client I.D. Number: WCW-7

Sampled: 10/07/10 07:59  
Received: 10/09/10  
Extracted: 10/13/10  
Analyzed: 10/13/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 2.0 µg/L        | 46 Ethylbenzene                       | ND            | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 0.50 µg/L       | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 2.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 10 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 2.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 10 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 2.5 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | 1.7           | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 50 µg/L         | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 10 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | 3.9           | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 5.0 µg/L        |
| 24 1,2-Dichloroethane                | 26            | 0.50 µg/L       | 68 1,2,4-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 95            | (70-130) %REC   |
| 28 Benzene                           | ND            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 95            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 97            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 0.50 µg/L       |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 0.50 µg/L       |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 5.0 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

ND = Not Detected

*Roger Scholl*

*Randy Gardner*

*Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

*[Signature]*

10/14/10

Report Date



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101124-13A  
Client I.D. Number: MW-7

Sampled: 10/07/10 07:22  
Received: 10/09/10  
Extracted: 10/13/10  
Analyzed: 10/13/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 2.0 µg/L        | 46 Ethylbenzene                       | ND            | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 0.50 µg/L       | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 2.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 10 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 2.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | 260           | 10 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 2.5 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | 0.64          | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 50 µg/L         | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 10 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | 9.3           | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 5.0 µg/L        |
| 24 1,2-Dichloroethane                | 1.0           | 0.50 µg/L       | 68 1,2,4-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 96            | (70-130) %REC   |
| 28 Benzene                           | ND            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 92            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 98            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 0.50 µg/L       |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 0.50 µg/L       |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 5.0 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

ND = Not Detected

*Roger Scholl*

*Randy Gardner*

*Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

*PSJ*

10/14/10

Report Date



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101124-14A  
Client I.D. Number: DUP-8

Sampled: 10/07/10 00:00  
Received: 10/09/10  
Extracted: 10/13/10  
Analyzed: 10/13/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 40 µg/L         | 45 Chlorobenzene                      | ND            | 40 µg/L         |
| 2 Chloromethane                      | ND            | 160 µg/L        | 46 Ethylbenzene                       | 68            | 20 µg/L         |
| 3 Vinyl chloride                     | ND            | 40 µg/L         | 47 m,p-Xylene                         | ND            | 20 µg/L         |
| 4 Chloroethane                       | ND            | 40 µg/L         | 48 Bromoform                          | ND            | 40 µg/L         |
| 5 Bromomethane                       | ND            | 160 µg/L        | 49 Styrene                            | ND            | 40 µg/L         |
| 6 Trichlorofluoromethane             | ND            | 40 µg/L         | 50 o-Xylene                           | ND            | 20 µg/L         |
| 7 Acetone                            | ND            | 800 µg/L        | 51 1,1,2,2-Tetrachloroethane          | ND            | 40 µg/L         |
| 8 1,1-Dichloroethene                 | ND            | 40 µg/L         | 52 1,2,3-Trichloropropane             | ND            | 160 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | 51,000        | 400 µg/L        | 53 Isopropylbenzene                   | ND            | 40 µg/L         |
| 10 Dichloromethane                   | ND            | 160 µg/L        | 54 Bromobenzene                       | ND            | 40 µg/L         |
| 11 Freon-113                         | ND            | 40 µg/L         | 55 n-Propylbenzene                    | ND            | 40 µg/L         |
| 12 Carbon disulfide                  | ND            | 200 µg/L        | 56 4-Chlorotoluene                    | ND            | 40 µg/L         |
| 13 trans-1,2-Dichloroethene          | ND            | 40 µg/L         | 57 2-Chlorotoluene                    | ND            | 40 µg/L         |
| 14 Methyl tert-butyl ether (MTBE)    | 190           | 20 µg/L         | 58 1,3,5-Trimethylbenzene             | ND            | 40 µg/L         |
| 15 1,1-Dichloroethane                | ND            | 40 µg/L         | 59 tert-Butylbenzene                  | ND            | 40 µg/L         |
| 16 Vinyl acetate                     | ND            | 4,000 µg/L      | 60 1,2,4-Trimethylbenzene             | ND            | 40 µg/L         |
| 17 2-Butanone (MEK)                  | ND            | 800 µg/L        | 61 sec-Butylbenzene                   | ND            | 40 µg/L         |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 40 µg/L         | 62 1,3-Dichlorobenzene                | ND            | 40 µg/L         |
| 19 cis-1,2-Dichloroethene            | ND            | 40 µg/L         | 63 1,4-Dichlorobenzene                | ND            | 40 µg/L         |
| 20 Bromochloromethane                | ND            | 40 µg/L         | 64 4-Isopropyltoluene                 | ND            | 40 µg/L         |
| 21 Chloroform                        | ND            | 40 µg/L         | 65 1,2-Dichlorobenzene                | ND            | 40 µg/L         |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 40 µg/L         | 66 n-Butylbenzene                     | ND            | 40 µg/L         |
| 23 2,2-Dichloropropane               | ND            | 40 µg/L         | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 240 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 40 µg/L         | 68 1,2,4-Trichlorobenzene             | ND            | 160 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 40 µg/L         | 69 Naphthalene                        | ND            | 160 µg/L        |
| 26 1,1-Dichloropropene               | ND            | 40 µg/L         | 70 1,2,3-Trichlorobenzene             | ND            | 160 µg/L        |
| 27 Carbon tetrachloride              | ND            | 40 µg/L         | 71 Surr: 1,2-Dichloroethane-d4        | 92            | (70-130) %REC   |
| 28 Benzene                           | 3,800         | 20 µg/L         | 72 Surr: Toluene-d8                   | 92            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 40 µg/L         | 73 Surr: 4-Bromofluorobenzene         | 97            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 40 µg/L         |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 40 µg/L         |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 40 µg/L         |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 40 µg/L         |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 200 µg/L        |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 40 µg/L         |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 40 µg/L         |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 40 µg/L         |                                       |               |                 |
| 38 Toluene                           | ND            | 20 µg/L         |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 40 µg/L         |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 400 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 40 µg/L         |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 80 µg/L         |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 40 µg/L         |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 40 µg/L         |                                       |               |                 |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

10/14/10

Report Date



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101124-15A  
Client I.D. Number: DUP-1

Sampled: 10/07/10 00:00  
Received: 10/09/10  
Extracted: 10/13/10  
Analyzed: 10/13/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Reporting                            |               |          | Reporting                             |               |               |
|--------------------------------------|---------------|----------|---------------------------------------|---------------|---------------|
| Compound                             | Concentration | Limit    | Compound                              | Concentration | Limit         |
| 1 Dichlorodifluoromethane            | ND            | 2.0 µg/L | 45 Chlorobenzene                      | ND            | 2.0 µg/L      |
| 2 Chloromethane                      | ND            | 8.0 µg/L | 46 Ethylbenzene                       | ND            | 1.0 µg/L      |
| 3 Vinyl chloride                     | ND            | 2.0 µg/L | 47 m,p-Xylene                         | ND            | 1.0 µg/L      |
| 4 Chloroethane                       | ND            | 2.0 µg/L | 48 Bromoform                          | ND            | 2.0 µg/L      |
| 5 Bromomethane                       | ND            | 8.0 µg/L | 49 Styrene                            | ND            | 2.0 µg/L      |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L  | 50 o-Xylene                           | ND            | 1.0 µg/L      |
| 7 Acetone                            | ND            | 40 µg/L  | 51 1,1,2,2-Tetrachloroethane          | ND            | 2.0 µg/L      |
| 8 1,1-Dichloroethene                 | ND            | 2.0 µg/L | 52 1,2,3-Trichloropropane             | ND            | 8.0 µg/L      |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 20 µg/L  | 53 Isopropylbenzene                   | 7.1           | 2.0 µg/L      |
| 10 Dichloromethane                   | ND            | 8.0 µg/L | 54 Bromobenzene                       | ND            | 2.0 µg/L      |
| 11 Freon-113                         | ND            | 10 µg/L  | 55 n-Propylbenzene                    | ND            | 2.0 µg/L      |
| 12 Carbon disulfide                  | ND            | 10 µg/L  | 56 4-Chlorotoluene                    | ND            | 2.0 µg/L      |
| 13 trans-1,2-Dichloroethene          | ND            | 2.0 µg/L | 57 2-Chlorotoluene                    | ND            | 2.0 µg/L      |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 1.0 µg/L | 58 1,3,5-Trimethylbenzene             | ND            | 2.0 µg/L      |
| 15 1,1-Dichloroethane                | ND            | 2.0 µg/L | 59 tert-Butylbenzene                  | ND            | 2.0 µg/L      |
| 16 Vinyl acetate                     | ND            | 200 µg/L | 60 1,2,4-Trimethylbenzene             | ND            | 2.0 µg/L      |
| 17 2-Butanone (MEK)                  | ND            | 40 µg/L  | 61 sec-Butylbenzene                   | 3.0           | 2.0 µg/L      |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 2.0 µg/L | 62 1,3-Dichlorobenzene                | ND            | 2.0 µg/L      |
| 19 cis-1,2-Dichloroethene            | ND            | 2.0 µg/L | 63 1,4-Dichlorobenzene                | ND            | 2.0 µg/L      |
| 20 Bromochloromethane                | ND            | 2.0 µg/L | 64 4-Isopropyltoluene                 | ND            | 2.0 µg/L      |
| 21 Chloroform                        | ND            | 2.0 µg/L | 65 1,2-Dichlorobenzene                | ND            | 2.0 µg/L      |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 2.0 µg/L | 66 n-Butylbenzene                     | ND            | 2.0 µg/L      |
| 23 2,2-Dichloropropane               | ND            | 2.0 µg/L | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 12 µg/L       |
| 24 1,2-Dichloroethane                | ND            | 2.0 µg/L | 68 1,2,4-Trichlorobenzene             | ND            | 8.0 µg/L      |
| 25 1,1,1-Trichloroethane             | ND            | 2.0 µg/L | 69 Naphthalene                        | ND            | 10 µg/L       |
| 26 1,1-Dichloropropene               | ND            | 2.0 µg/L | 70 1,2,3-Trichlorobenzene             | ND            | 8.0 µg/L      |
| 27 Carbon tetrachloride              | ND            | 2.0 µg/L | 71 Surr: 1,2-Dichloroethane-d4        | 95            | (70-130) %REC |
| 28 Benzene                           | 1.1           | 1.0 µg/L | 72 Surr: Toluene-d8                   | 90            | (70-130) %REC |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 2.0 µg/L | 73 Surr: 4-Bromofluorobenzene         | 98            | (70-130) %REC |
| 30 Dibromomethane                    | ND            | 2.0 µg/L |                                       |               |               |
| 31 1,2-Dichloropropane               | ND            | 2.0 µg/L |                                       |               |               |
| 32 Trichloroethene                   | ND            | 2.0 µg/L |                                       |               |               |
| 33 Bromodichloromethane              | ND            | 2.0 µg/L |                                       |               |               |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L  |                                       |               |               |
| 35 cis-1,3-Dichloropropene           | ND            | 2.0 µg/L |                                       |               |               |
| 36 trans-1,3-Dichloropropene         | ND            | 2.0 µg/L |                                       |               |               |
| 37 1,1,2-Trichloroethane             | ND            | 2.0 µg/L |                                       |               |               |
| 38 Toluene                           | ND            | 1.0 µg/L |                                       |               |               |
| 39 1,3-Dichloropropane               | ND            | 2.0 µg/L |                                       |               |               |
| 40 2-Hexanone                        | ND            | 20 µg/L  |                                       |               |               |
| 41 Dibromochloromethane              | ND            | 2.0 µg/L |                                       |               |               |
| 42 1,2-Dibromoethane (EDB)           | ND            | 4.0 µg/L |                                       |               |               |
| 43 Tetrachloroethene                 | ND            | 2.0 µg/L |                                       |               |               |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 2.0 µg/L |                                       |               |               |

Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
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10/14/10

Report Date



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101124-16A  
Client I.D. Number: EB-8

Sampled: 10/07/10 14:50  
Received: 10/09/10  
Extracted: 10/13/10  
Analyzed: 10/13/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 2.0 µg/L        | 46 Ethylbenzene                       | ND            | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 0.50 µg/L       | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 2.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 10 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 2.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 10 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 2.5 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 50 µg/L         | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 10 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 5.0 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 0.50 µg/L       | 68 1,2,4-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 97            | (70-130) %REC   |
| 28 Benzene                           | ND            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 89            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 99            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 0.50 µg/L       |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 0.50 µg/L       |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 5.0 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

  
10/14/10

Report Date



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101124-17A  
Client I.D. Number: TB-4

Sampled: 10/07/10 07:00  
Received: 10/09/10  
Extracted: 10/13/10  
Analyzed: 10/13/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 2.0 µg/L        | 46 Ethylbenzene                       | ND            | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 0.50 µg/L       | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 2.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 10 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 2.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 10 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 2.5 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 50 µg/L         | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 10 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 5.0 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 0.50 µg/L       | 68 1,2,4-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 100           | (70-130) %REC   |
| 28 Benzene                           | ND            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 90            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 98            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 0.50 µg/L       |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 0.50 µg/L       |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 5.0 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

ND = Not Detected

*Roger Scholl*

*Randy Gardner*

*Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

*[Signature]*  
10/14/10

Report Date



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

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## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101124-18A  
Client I.D. Number: MW-SF-4

Sampled: 10/07/10 13:36  
Received: 10/09/10  
Extracted: 10/13/10  
Analyzed: 10/13/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 100 µg/L        | 45 Chlorobenzene                      | ND            | 100 µg/L        |
| 2 Chloromethane                      | ND            | 400 µg/L        | 46 Ethylbenzene                       | 940           | 50 µg/L         |
| 3 Vinyl chloride                     | ND            | 100 µg/L        | 47 m,p-Xylene                         | 770           | 50 µg/L         |
| 4 Chloroethane                       | ND            | 100 µg/L        | 48 Bromoform                          | ND            | 100 µg/L        |
| 5 Bromomethane                       | ND            | 400 µg/L        | 49 Styrene                            | ND            | 100 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 100 µg/L        | 50 o-Xylene                           | ND            | 50 µg/L         |
| 7 Acetone                            | ND            | 2,000 µg/L      | 51 1,1,2,2-Tetrachloroethane          | ND            | 100 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 100 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 400 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 1,000 µg/L      | 53 Isopropylbenzene                   | ND            | 100 µg/L        |
| 10 Dichloromethane                   | ND            | 400 µg/L        | 54 Bromobenzene                       | ND            | 100 µg/L        |
| 11 Freon-113                         | ND            | 100 µg/L        | 55 n-Propylbenzene                    | ND            | 100 µg/L        |
| 12 Carbon disulfide                  | ND            | 500 µg/L        | 56 4-Chlorotoluene                    | ND            | 100 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 100 µg/L        | 57 2-Chlorotoluene                    | ND            | 100 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | 620           | 50 µg/L         | 58 1,3,5-Trimethylbenzene             | ND            | 100 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 100 µg/L        | 59 tert-Butylbenzene                  | ND            | 100 µg/L        |
| 16 Vinyl acetate                     | ND            | 10,000 µg/L     | 60 1,2,4-Trimethylbenzene             | 360           | 100 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 2,000 µg/L      | 61 sec-Butylbenzene                   | ND            | 100 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 100 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 100 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 100 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 100 µg/L        |
| 20 Bromochloromethane                | ND            | 100 µg/L        | 64 4-Isopropyltoluene                 | ND            | 100 µg/L        |
| 21 Chloroform                        | ND            | 100 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 100 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 100 µg/L        | 66 n-Butylbenzene                     | ND            | 100 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 100 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 600 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 100 µg/L        | 68 1,2,4-Trichlorobenzene             | ND            | 400 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 100 µg/L        | 69 Naphthalene                        | ND            | 400 µg/L        |
| 26 1,1-Dichloropropene               | ND            | 100 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 400 µg/L        |
| 27 Carbon tetrachloride              | ND            | 100 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 95            | (70-130) %REC   |
| 28 Benzene                           | 8,900         | 50 µg/L         | 72 Surr: Toluene-d8                   | 93            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 100 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 99            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 100 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 100 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 100 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 100 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 500 µg/L        |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 100 µg/L        |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 100 µg/L        |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 100 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 50 µg/L         |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 100 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 1,000 µg/L      |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 100 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 200 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 100 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 100 µg/L        |                                       |               |                 |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

*Roger Scholl*

*Randy Gardner*

*Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

*[Signature]*

10/14/10

Report Date





# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101124-19A  
Client I.D. Number: MW-9

Sampled: 10/07/10 08:59  
Received: 10/09/10  
Extracted: 10/14/10  
Analyzed: 10/14/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 4.0 µg/L        | 45 Chlorobenzene                      | ND            | 4.0 µg/L        |
| 2 Chloromethane                      | ND            | 16 µg/L         | 46 Ethylbenzene                       | ND            | 2.0 µg/L        |
| 3 Vinyl chloride                     | ND            | 4.0 µg/L        | 47 m,p-Xylene                         | ND            | 2.0 µg/L        |
| 4 Chloroethane                       | ND            | 4.0 µg/L        | 48 Bromoform                          | ND            | 4.0 µg/L        |
| 5 Bromomethane                       | ND            | 16 µg/L         | 49 Styrene                            | ND            | 4.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 2.0 µg/L        |
| 7 Acetone                            | ND            | 80 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 4.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 4.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 16 µg/L         |
| 9 Tertiary Butyl Alcohol (TBA)       | 50            | 40 µg/L         | 53 Isopropylbenzene                   | 49            | 4.0 µg/L        |
| 10 Dichloromethane                   | ND            | 16 µg/L         | 54 Bromobenzene                       | ND            | 4.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | 37            | 4.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 20 µg/L         | 56 4-Chlorotoluene                    | ND            | 4.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 4.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 4.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | 3.3           | 2.0 µg/L        | 58 1,3,5-Trimethylbenzene             | ND            | 4.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 4.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 4.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 400 µg/L        | 60 1,2,4-Trimethylbenzene             | ND            | 4.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 80 µg/L         | 61 sec-Butylbenzene                   | 12            | 4.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 4.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 4.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 4.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 4.0 µg/L        |
| 20 Bromochloromethane                | ND            | 4.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 4.0 µg/L        |
| 21 Chloroform                        | ND            | 4.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 4.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 4.0 µg/L        | 66 n-Butylbenzene                     | ND            | 4.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 4.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 24 µg/L         |
| 24 1,2-Dichloroethane                | ND            | 4.0 µg/L        | 68 1,2,4-Trichlorobenzene             | ND            | 16 µg/L         |
| 25 1,1,1-Trichloroethane             | ND            | 4.0 µg/L        | 69 Naphthalene                        | 120           | 16 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 4.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 16 µg/L         |
| 27 Carbon tetrachloride              | ND            | 4.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 112           | (70-130) %REC   |
| 28 Benzene                           | 23            | 2.0 µg/L        | 72 Surr: Toluene-d8                   | 97            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 4.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 98            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 4.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 4.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 4.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 4.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 20 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 4.0 µg/L        |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 4.0 µg/L        |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 4.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 2.0 µg/L        |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 4.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 40 µg/L         |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 4.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 8.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 4.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 4.0 µg/L        |                                       |               |                 |

Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

10/14/10

Report Date

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101124-20A  
Client I.D. Number: GMW-1

Sampled: 10/07/10 08:24  
Received: 10/09/10  
Extracted: 10/14/10  
Analyzed: 10/14/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 2.0 µg/L        | 45 Chlorobenzene                      | ND            | 2.0 µg/L        |
| 2 Chloromethane                      | ND            | 8.0 µg/L        | 46 Ethylbenzene                       | ND            | 1.0 µg/L        |
| 3 Vinyl chloride                     | ND            | 2.0 µg/L        | 47 m,p-Xylene                         | ND            | 1.0 µg/L        |
| 4 Chloroethane                       | ND            | 2.0 µg/L        | 48 Bromoform                          | ND            | 2.0 µg/L        |
| 5 Bromomethane                       | ND            | 8.0 µg/L        | 49 Styrene                            | ND            | 2.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 1.0 µg/L        |
| 7 Acetone                            | ND            | 40 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 2.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 2.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 8.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 20 µg/L         | 53 Isopropylbenzene                   | 7.9           | 2.0 µg/L        |
| 10 Dichloromethane                   | ND            | 8.0 µg/L        | 54 Bromobenzene                       | ND            | 2.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 2.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 10 µg/L         | 56 4-Chlorotoluene                    | ND            | 2.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 2.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 2.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 1.0 µg/L        | 58 1,3,5-Trimethylbenzene             | ND            | 2.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 2.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 2.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 200 µg/L        | 60 1,2,4-Trimethylbenzene             | ND            | 2.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 40 µg/L         | 61 sec-Butylbenzene                   | 3.1           | 2.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 2.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 2.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 2.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 2.0 µg/L        |
| 20 Bromochloromethane                | ND            | 2.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 2.0 µg/L        |
| 21 Chloroform                        | ND            | 2.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 2.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 2.0 µg/L        | 66 n-Butylbenzene                     | ND            | 2.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 2.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 12 µg/L         |
| 24 1,2-Dichloroethane                | ND            | 2.0 µg/L        | 68 1,2,4-Trichlorobenzene             | ND            | 8.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 2.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 2.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 8.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 2.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 115           | (70-130) %REC   |
| 28 Benzene                           | ND            | 1.0 µg/L        | 72 Surr: Toluene-d8                   | 97            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 2.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 100           | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 2.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 2.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 2.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 2.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 2.0 µg/L        |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 2.0 µg/L        |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 2.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 1.0 µg/L        |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 2.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 20 µg/L         |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 2.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 4.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 2.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 2.0 µg/L        |                                       |               |                 |

Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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10/14/10

Report Date



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101124-21A  
Client I.D. Number: MW-SF-9

Sampled: 10/07/10 07:44  
Received: 10/09/10  
Extracted: 10/14/10  
Analyzed: 10/14/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 5.0 µg/L        | 45 Chlorobenzene                      | ND            | 5.0 µg/L        |
| 2 Chloromethane                      | ND            | 20 µg/L         | 46 Ethylbenzene                       | 17            | 2.5 µg/L        |
| 3 Vinyl chloride                     | ND            | 5.0 µg/L        | 47 m,p-Xylene                         | ND            | 2.5 µg/L        |
| 4 Chloroethane                       | ND            | 5.0 µg/L        | 48 Bromoform                          | ND            | 5.0 µg/L        |
| 5 Bromomethane                       | ND            | 20 µg/L         | 49 Styrene                            | ND            | 5.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 2.5 µg/L        |
| 7 Acetone                            | ND            | 100 µg/L        | 51 1,1,2,2-Tetrachloroethane          | ND            | 5.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 5.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 20 µg/L         |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 50 µg/L         | 53 Isopropylbenzene                   | ND            | 5.0 µg/L        |
| 10 Dichloromethane                   | ND            | 20 µg/L         | 54 Bromobenzene                       | ND            | 5.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | 5.1           | 5.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 25 µg/L         | 56 4-Chlorotoluene                    | ND            | 5.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 5.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 5.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 2.5 µg/L        | 58 1,3,5-Trimethylbenzene             | ND            | 5.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 5.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 5.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 500 µg/L        | 60 1,2,4-Trimethylbenzene             | 6.7           | 5.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 100 µg/L        | 61 sec-Butylbenzene                   | ND            | 5.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 5.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 5.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 5.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 5.0 µg/L        |
| 20 Bromochloromethane                | ND            | 5.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 5.0 µg/L        |
| 21 Chloroform                        | ND            | 5.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 5.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 5.0 µg/L        | 66 n-Butylbenzene                     | ND            | 5.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 5.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 30 µg/L         |
| 24 1,2-Dichloroethane                | ND            | 5.0 µg/L        | 68 1,2,4-Trichlorobenzene             | ND            | 20 µg/L         |
| 25 1,1,1-Trichloroethane             | ND            | 5.0 µg/L        | 69 Naphthalene                        | ND            | 20 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 5.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 20 µg/L         |
| 27 Carbon tetrachloride              | ND            | 5.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 113           | (70-130) %REC   |
| 28 Benzene                           | 450           | 2.5 µg/L        | 72 Surr: Toluene-d8                   | 99            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 5.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 100           | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 5.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 5.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 5.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 5.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 25 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 5.0 µg/L        |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 5.0 µg/L        |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 5.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | 7.8           | 2.5 µg/L        |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 5.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 50 µg/L         |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 5.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 10 µg/L         |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 5.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 5.0 µg/L        |                                       |               |                 |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer  
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10/14/10

Report Date

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# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
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## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101124-22A  
Client I.D. Number: PZ-5

Sampled: 10/07/10 09:48  
Received: 10/09/10  
Extracted: 10/14/10  
Analyzed: 10/14/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 40 µg/L         | 45 Chlorobenzene                      | ND            | 40 µg/L         |
| 2 Chloromethane                      | ND            | 160 µg/L        | 46 Ethylbenzene                       | 56            | 20 µg/L         |
| 3 Vinyl chloride                     | ND            | 40 µg/L         | 47 m,p-Xylene                         | ND            | 20 µg/L         |
| 4 Chloroethane                       | ND            | 40 µg/L         | 48 Bromoform                          | ND            | 40 µg/L         |
| 5 Bromomethane                       | ND            | 160 µg/L        | 49 Styrene                            | ND            | 40 µg/L         |
| 6 Trichlorofluoromethane             | ND            | 40 µg/L         | 50 o-Xylene                           | ND            | 20 µg/L         |
| 7 Acetone                            | ND            | 800 µg/L        | 51 1,1,2,2-Tetrachloroethane          | ND            | 40 µg/L         |
| 8 1,1-Dichloroethene                 | ND            | 40 µg/L         | 52 1,2,3-Trichloropropane             | ND            | 160 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | 40,000        | 400 µg/L        | 53 Isopropylbenzene                   | ND            | 40 µg/L         |
| 10 Dichloromethane                   | ND            | 160 µg/L        | 54 Bromobenzene                       | ND            | 40 µg/L         |
| 11 Freon-113                         | ND            | 40 µg/L         | 55 n-Propylbenzene                    | ND            | 40 µg/L         |
| 12 Carbon disulfide                  | ND            | 200 µg/L        | 56 4-Chlorotoluene                    | ND            | 40 µg/L         |
| 13 trans-1,2-Dichloroethene          | ND            | 40 µg/L         | 57 2-Chlorotoluene                    | ND            | 40 µg/L         |
| 14 Methyl tert-butyl ether (MTBE)    | 150           | 20 µg/L         | 58 1,3,5-Trimethylbenzene             | ND            | 40 µg/L         |
| 15 1,1-Dichloroethane                | ND            | 40 µg/L         | 59 tert-Butylbenzene                  | ND            | 40 µg/L         |
| 16 Vinyl acetate                     | ND            | 4,000 µg/L      | 60 1,2,4-Trimethylbenzene             | ND            | 40 µg/L         |
| 17 2-Butanone (MEK)                  | ND            | 800 µg/L        | 61 sec-Butylbenzene                   | ND            | 40 µg/L         |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 40 µg/L         | 62 1,3-Dichlorobenzene                | ND            | 40 µg/L         |
| 19 cis-1,2-Dichloroethene            | ND            | 40 µg/L         | 63 1,4-Dichlorobenzene                | ND            | 40 µg/L         |
| 20 Bromochloromethane                | ND            | 40 µg/L         | 64 4-Isopropyltoluene                 | ND            | 40 µg/L         |
| 21 Chloroform                        | ND            | 40 µg/L         | 65 1,2-Dichlorobenzene                | ND            | 40 µg/L         |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 40 µg/L         | 66 n-Butylbenzene                     | ND            | 40 µg/L         |
| 23 2,2-Dichloropropane               | ND            | 40 µg/L         | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 240 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 40 µg/L         | 68 1,2,4-Trichlorobenzene             | ND            | 160 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 40 µg/L         | 69 Naphthalene                        | ND            | 160 µg/L        |
| 26 1,1-Dichloropropene               | ND            | 40 µg/L         | 70 1,2,3-Trichlorobenzene             | ND            | 160 µg/L        |
| 27 Carbon tetrachloride              | ND            | 40 µg/L         | 71 Surr: 1,2-Dichloroethane-d4        | 112           | (70-130) %REC   |
| 28 Benzene                           | 3,100         | 20 µg/L         | 72 Surr: Toluene-d8                   | 100           | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 40 µg/L         | 73 Surr: 4-Bromofluorobenzene         | 100           | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 40 µg/L         |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 40 µg/L         |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 40 µg/L         |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 40 µg/L         |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 200 µg/L        |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 40 µg/L         |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 40 µg/L         |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 40 µg/L         |                                       |               |                 |
| 38 Toluene                           | ND            | 20 µg/L         |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 40 µg/L         |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 400 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 40 µg/L         |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 80 µg/L         |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 40 µg/L         |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 40 µg/L         |                                       |               |                 |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
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10/14/10

Report Date

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## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101124-23A  
Client I.D. Number: MW-SF-1

Sampled: 10/07/10 10:39  
Received: 10/09/10  
Extracted: 10/14/10  
Analyzed: 10/14/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 100 µg/L        | 45 Chlorobenzene                      | ND            | 100 µg/L        |
| 2 Chloromethane                      | ND            | 400 µg/L        | 46 Ethylbenzene                       | 67            | 50 µg/L         |
| 3 Vinyl chloride                     | ND            | 100 µg/L        | 47 m,p-Xylene                         | ND            | 50 µg/L         |
| 4 Chloroethane                       | ND            | 100 µg/L        | 48 Bromoform                          | ND            | 100 µg/L        |
| 5 Bromomethane                       | ND            | 400 µg/L        | 49 Styrene                            | ND            | 100 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 100 µg/L        | 50 o-Xylene                           | ND            | 50 µg/L         |
| 7 Acetone                            | ND            | 2,000 µg/L      | 51 1,1,2,2-Tetrachloroethane          | ND            | 100 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 100 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 400 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 1,000 µg/L      | 53 Isopropylbenzene                   | ND            | 100 µg/L        |
| 10 Dichloromethane                   | ND            | 400 µg/L        | 54 Bromobenzene                       | ND            | 100 µg/L        |
| 11 Freon-113                         | ND            | 100 µg/L        | 55 n-Propylbenzene                    | ND            | 100 µg/L        |
| 12 Carbon disulfide                  | ND            | 500 µg/L        | 56 4-Chlorotoluene                    | ND            | 100 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 100 µg/L        | 57 2-Chlorotoluene                    | ND            | 100 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | 440           | 50 µg/L         | 58 1,3,5-Trimethylbenzene             | ND            | 100 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 100 µg/L        | 59 tert-Butylbenzene                  | ND            | 100 µg/L        |
| 16 Vinyl acetate                     | ND            | 10,000 µg/L     | 60 1,2,4-Trimethylbenzene             | ND            | 100 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 2,000 µg/L      | 61 sec-Butylbenzene                   | ND            | 100 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 100 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 100 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 100 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 100 µg/L        |
| 20 Bromochloromethane                | ND            | 100 µg/L        | 64 4-Isopropyltoluene                 | ND            | 100 µg/L        |
| 21 Chloroform                        | ND            | 100 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 100 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 100 µg/L        | 66 n-Butylbenzene                     | ND            | 100 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 100 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 600 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 100 µg/L        | 68 1,2,4-Trichlorobenzene             | ND            | 400 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 100 µg/L        | 69 Naphthalene                        | ND            | 400 µg/L        |
| 26 1,1-Dichloropropene               | ND            | 100 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 400 µg/L        |
| 27 Carbon tetrachloride              | ND            | 100 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 115           | (70-130) %REC   |
| 28 Benzene                           | 5,200         | 50 µg/L         | 72 Surr: Toluene-d8                   | 99            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 100 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 100           | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 100 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 100 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 100 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 100 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 500 µg/L        |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 100 µg/L        |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 100 µg/L        |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 100 µg/L        |                                       |               |                 |
| 38 Toluene                           | 58            | 50 µg/L         |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 100 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 1,000 µg/L      |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 100 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 200 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 100 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 100 µg/L        |                                       |               |                 |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
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10/14/10

Report Date

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101124-24A  
Client I.D. Number: GMW-O-14

Sampled: 10/07/10 11:31  
Received: 10/09/10  
Extracted: 10/14/10  
Analyzed: 10/14/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 100 µg/L        | 45 Chlorobenzene                      | ND            | 100 µg/L        |
| 2 Chloromethane                      | ND            | 400 µg/L        | 46 Ethylbenzene                       | 220           | 50 µg/L         |
| 3 Vinyl chloride                     | ND            | 100 µg/L        | 47 m,p-Xylene                         | 680           | 50 µg/L         |
| 4 Chloroethane                       | ND            | 100 µg/L        | 48 Bromoform                          | ND            | 100 µg/L        |
| 5 Bromomethane                       | ND            | 400 µg/L        | 49 Styrene                            | ND            | 100 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 100 µg/L        | 50 o-Xylene                           | 470           | 50 µg/L         |
| 7 Acetone                            | ND            | 2,000 µg/L      | 51 1,1,2,2-Tetrachloroethane          | ND            | 100 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 100 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 400 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 1,000 µg/L      | 53 Isopropylbenzene                   | ND            | 100 µg/L        |
| 10 Dichloromethane                   | ND            | 400 µg/L        | 54 Bromobenzene                       | ND            | 100 µg/L        |
| 11 Freon-113                         | ND            | 100 µg/L        | 55 n-Propylbenzene                    | ND            | 100 µg/L        |
| 12 Carbon disulfide                  | ND            | 500 µg/L        | 56 4-Chlorotoluene                    | ND            | 100 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 100 µg/L        | 57 2-Chlorotoluene                    | ND            | 100 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 50 µg/L         | 58 1,3,5-Trimethylbenzene             | ND            | 100 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 100 µg/L        | 59 tert-Butylbenzene                  | ND            | 100 µg/L        |
| 16 Vinyl acetate                     | ND            | 10,000 µg/L     | 60 1,2,4-Trimethylbenzene             | 230           | 100 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 2,000 µg/L      | 61 sec-Butylbenzene                   | ND            | 100 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 100 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 100 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 100 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 100 µg/L        |
| 20 Bromochloromethane                | ND            | 100 µg/L        | 64 4-Isopropyltoluene                 | ND            | 100 µg/L        |
| 21 Chloroform                        | ND            | 100 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 100 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 100 µg/L        | 66 n-Butylbenzene                     | ND            | 100 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 100 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 600 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 100 µg/L        | 68 1,2,4-Trichlorobenzene             | ND            | 400 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 100 µg/L        | 69 Naphthalene                        | ND            | 400 µg/L        |
| 26 1,1-Dichloropropene               | ND            | 100 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 400 µg/L        |
| 27 Carbon tetrachloride              | ND            | 100 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 117           | (70-130) %REC   |
| 28 Benzene                           | 5,900         | 50 µg/L         | 72 Surr: Toluene-d8                   | 99            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 100 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 100           | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 100 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 100 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 100 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 100 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 500 µg/L        |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 100 µg/L        |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 100 µg/L        |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 100 µg/L        |                                       |               |                 |
| 38 Toluene                           | 200           | 50 µg/L         |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 100 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 1,000 µg/L      |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 100 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 200 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 100 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 100 µg/L        |                                       |               |                 |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
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10/14/10

Report Date



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101124-25A  
Client I.D. Number: GMW-9

Sampled: 10/07/10 12:52  
Received: 10/09/10  
Extracted: 10/14/10  
Analyzed: 10/14/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 10 µg/L         | 45 Chlorobenzene                      | ND            | 10 µg/L         |
| 2 Chloromethane                      | ND            | 40 µg/L         | 46 Ethylbenzene                       | 120           | 5.0 µg/L        |
| 3 Vinyl chloride                     | ND            | 10 µg/L         | 47 m,p-Xylene                         | 650           | 5.0 µg/L        |
| 4 Chloroethane                       | ND            | 10 µg/L         | 48 Bromoform                          | ND            | 10 µg/L         |
| 5 Bromomethane                       | ND            | 40 µg/L         | 49 Styrene                            | ND            | 10 µg/L         |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | 220           | 5.0 µg/L        |
| 7 Acetone                            | ND            | 200 µg/L        | 51 1,1,2,2-Tetrachloroethane          | ND            | 10 µg/L         |
| 8 1,1-Dichloroethene                 | ND            | 10 µg/L         | 52 1,2,3-Trichloropropane             | ND            | 40 µg/L         |
| 9 Tertiary Butyl Alcohol (TBA)       | 1,600         | 100 µg/L        | 53 Isopropylbenzene                   | ND            | 10 µg/L         |
| 10 Dichloromethane                   | ND            | 40 µg/L         | 54 Bromobenzene                       | ND            | 10 µg/L         |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 10 µg/L         |
| 12 Carbon disulfide                  | ND            | 50 µg/L         | 56 4-Chlorotoluene                    | ND            | 10 µg/L         |
| 13 trans-1,2-Dichloroethene          | ND            | 10 µg/L         | 57 2-Chlorotoluene                    | ND            | 10 µg/L         |
| 14 Methyl tert-butyl ether (MTBE)    | 56            | 5.0 µg/L        | 58 1,3,5-Trimethylbenzene             | 84            | 10 µg/L         |
| 15 1,1-Dichloroethane                | ND            | 10 µg/L         | 59 tert-Butylbenzene                  | ND            | 10 µg/L         |
| 16 Vinyl acetate                     | ND            | 1,000 µg/L      | 60 1,2,4-Trimethylbenzene             | 200           | 10 µg/L         |
| 17 2-Butanone (MEK)                  | ND            | 200 µg/L        | 61 sec-Butylbenzene                   | ND            | 10 µg/L         |
| 18 Di-isopropyl Ether (DIPE)         | 44            | 10 µg/L         | 62 1,3-Dichlorobenzene                | ND            | 10 µg/L         |
| 19 cis-1,2-Dichloroethene            | ND            | 10 µg/L         | 63 1,4-Dichlorobenzene                | ND            | 10 µg/L         |
| 20 Bromochloromethane                | ND            | 10 µg/L         | 64 4-Isopropyltoluene                 | ND            | 10 µg/L         |
| 21 Chloroform                        | ND            | 10 µg/L         | 65 1,2-Dichlorobenzene                | ND            | 10 µg/L         |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 10 µg/L         | 66 n-Butylbenzene                     | ND            | 10 µg/L         |
| 23 2,2-Dichloropropane               | ND            | 10 µg/L         | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 60 µg/L         |
| 24 1,2-Dichloroethane                | ND            | 10 µg/L         | 68 1,2,4-Trichlorobenzene             | ND            | 40 µg/L         |
| 25 1,1,1-Trichloroethane             | ND            | 10 µg/L         | 69 Naphthalene                        | 90            | 40 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 10 µg/L         | 70 1,2,3-Trichlorobenzene             | ND            | 40 µg/L         |
| 27 Carbon tetrachloride              | ND            | 10 µg/L         | 71 Surr: 1,2-Dichloroethane-d4        | 113           | (70-130) %REC   |
| 28 Benzene                           | 890           | 5.0 µg/L        | 72 Surr: Toluene-d8                   | 99            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 10 µg/L         | 73 Surr: 4-Bromofluorobenzene         | 98            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 10 µg/L         |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 10 µg/L         |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 10 µg/L         |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 10 µg/L         |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 50 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 10 µg/L         |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 10 µg/L         |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 10 µg/L         |                                       |               |                 |
| 38 Toluene                           | 62            | 5.0 µg/L        |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 10 µg/L         |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 100 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 10 µg/L         |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 20 µg/L         |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 10 µg/L         |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 10 µg/L         |                                       |               |                 |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
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10/14/10

Report Date



# Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101124-26A  
Client I.D. Number: DUP-3

Sampled: 10/07/10 00:00  
Received: 10/09/10  
Extracted: 10/14/10  
Analyzed: 10/14/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 100 µg/L        | 45 Chlorobenzene                      | ND            | 100 µg/L        |
| 2 Chloromethane                      | ND            | 400 µg/L        | 46 Ethylbenzene                       | 200           | 50 µg/L         |
| 3 Vinyl chloride                     | ND            | 100 µg/L        | 47 m,p-Xylene                         | 620           | 50 µg/L         |
| 4 Chloroethane                       | ND            | 100 µg/L        | 48 Bromoform                          | ND            | 100 µg/L        |
| 5 Bromomethane                       | ND            | 400 µg/L        | 49 Styrene                            | ND            | 100 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 100 µg/L        | 50 o-Xylene                           | 420           | 50 µg/L         |
| 7 Acetone                            | ND            | 2,000 µg/L      | 51 1,1,2,2-Tetrachloroethane          | ND            | 100 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 100 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 400 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 1,000 µg/L      | 53 Isopropylbenzene                   | ND            | 100 µg/L        |
| 10 Dichloromethane                   | ND            | 400 µg/L        | 54 Bromobenzene                       | ND            | 100 µg/L        |
| 11 Freon-113                         | ND            | 100 µg/L        | 55 n-Propylbenzene                    | ND            | 100 µg/L        |
| 12 Carbon disulfide                  | ND            | 500 µg/L        | 56 4-Chlorotoluene                    | ND            | 100 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 100 µg/L        | 57 2-Chlorotoluene                    | ND            | 100 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 50 µg/L         | 58 1,3,5-Trimethylbenzene             | ND            | 100 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 100 µg/L        | 59 tert-Butylbenzene                  | ND            | 100 µg/L        |
| 16 Vinyl acetate                     | ND            | 10,000 µg/L     | 60 1,2,4-Trimethylbenzene             | 230           | 100 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 2,000 µg/L      | 61 sec-Butylbenzene                   | ND            | 100 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 100 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 100 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 100 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 100 µg/L        |
| 20 Bromochloromethane                | ND            | 100 µg/L        | 64 4-Isopropyltoluene                 | ND            | 100 µg/L        |
| 21 Chloroform                        | ND            | 100 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 100 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 100 µg/L        | 66 n-Butylbenzene                     | ND            | 100 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 100 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 600 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 100 µg/L        | 68 1,2,4-Trichlorobenzene             | ND            | 400 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 100 µg/L        | 69 Naphthalene                        | ND            | 400 µg/L        |
| 26 1,1-Dichloropropene               | ND            | 100 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 400 µg/L        |
| 27 Carbon tetrachloride              | ND            | 100 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 115           | (70-130) %REC   |
| 28 Benzene                           | 5,300         | 50 µg/L         | 72 Surr: Toluene-d8                   | 99            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 100 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 100           | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 100 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 100 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 100 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 100 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 500 µg/L        |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 100 µg/L        |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 100 µg/L        |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 100 µg/L        |                                       |               |                 |
| 38 Toluene                           | 180           | 50 µg/L         |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 100 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 1,000 µg/L      |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 100 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 200 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 100 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 100 µg/L        |                                       |               |                 |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

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10/14/10

Report Date





# Alpha Analytical, Inc.

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## VOC Sample Preservation Report

Work Order: CHH10101124

Job: KMEP DFSP Norwalk

| Alpha's Sample ID | Client's Sample ID | Matrix  | pH |
|-------------------|--------------------|---------|----|
| 10101124-01A      | MW-18(MID)         | Aqueous | 5  |
| 10101124-02A      | EB-7               | Aqueous | 2  |
| 10101124-03A      | PZ-10              | Aqueous | 2  |
| 10101124-04A      | GMW-O-10           | Aqueous | 2  |
| 10101124-05A      | GMW-27             | Aqueous | 5  |
| 10101124-06A      | GMW-14             | Aqueous | 2  |
| 10101124-07A      | GMW-SF-10          | Aqueous | 2  |
| 10101124-08A      | GMW-39             | Aqueous | 2  |
| 10101124-09A      | DUP-2              | Aqueous | 2  |
| 10101124-10A      | GMW-SF-9           | Aqueous | 2  |
| 10101124-11A      | MW-8               | Aqueous | 5  |
| 10101124-12A      | WCW-7              | Aqueous | 2  |
| 10101124-13A      | MW-7               | Aqueous | 2  |
| 10101124-14A      | DUP-8              | Aqueous | 5  |
| 10101124-15A      | DUP-1              | Aqueous | 2  |
| 10101124-16A      | EB-8               | Aqueous | 2  |
| 10101124-17A      | TB-4               | Aqueous | 2  |
| 10101124-18A      | MW-SF-4            | Aqueous | 2  |
| 10101124-19A      | MW-9               | Aqueous | 2  |
| 10101124-20A      | GMW-1              | Aqueous | 2  |
| 10101124-21A      | MW-SF-9            | Aqueous | 2  |
| 10101124-22A      | PZ-5               | Aqueous | 5  |
| 10101124-23A      | MW-SF-1            | Aqueous | 2  |
| 10101124-24A      | GMW-O-14           | Aqueous | 5  |
| 10101124-25A      | GMW-9              | Aqueous | 2  |
| 10101124-26A      | DUP-3              | Aqueous | 5  |

10/14/10

Report Date

Page 1 of 1



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:  
18-Oct-10

## QC Summary Report

Work Order:  
10101124

### Method Blank

Type: **MBLK** Test Code: **EPA Method SW8015B / E**

File ID: **1A10081055.D**

Batch ID: **25237**

Analysis Date: **10/12/2010 11:50**

Sample ID: **MBLK-25237**

Units : **mg/L**

Run ID: **FID\_1\_101012A**

Prep Date: **10/12/2010 10:41**

| Analyte              | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|----------------------|--------|-----|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-E (Fuel Product) | ND     | 0.1 |        |           |      |         |         |           |             |      |
| Surr: Nonane         | 0.154  |     | 0.15   |           | 103  | 57      | 147     |           |             |      |

### Laboratory Control Spike

Type: **LCS** Test Code: **EPA Method SW8015B / E**

File ID: **1A10081056.D**

Batch ID: **25237**

Analysis Date: **10/12/2010 12:16**

Sample ID: **LCS-25237**

Units : **mg/L**

Run ID: **FID\_1\_101012A**

Prep Date: **10/12/2010 10:41**

| Analyte      | Result | PQL  | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|--------------|--------|------|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-E (DRO)  | 2.32   | 0.05 | 2.5    |           | 93   | 67      | 130     |           |             |      |
| Surr: Nonane | 0.146  |      | 0.15   |           | 97   | 57      | 147     |           |             |      |

### Sample Matrix Spike

Type: **MS** Test Code: **EPA Method SW8015B / E**

File ID: **1A10081076.D**

Batch ID: **25237**

Analysis Date: **10/12/2010 20:43**

Sample ID: **10101124-01AMS**

Units : **mg/L**

Run ID: **FID\_1\_101012A**

Prep Date: **10/12/2010 10:41**

| Analyte      | Result | PQL  | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|--------------|--------|------|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-E (DRO)  | 3.04   | 0.05 | 2.5    | 0.306     | 109  | 49      | 150     |           |             |      |
| Surr: Nonane | 0      |      | 0.15   |           | 0    | 57      | 147     |           |             | S50  |

### Sample Matrix Spike Duplicate

Type: **MSD** Test Code: **EPA Method SW8015B / E**

File ID: **1A10081077.D**

Batch ID: **25237**

Analysis Date: **10/12/2010 21:09**

Sample ID: **10101124-01AMSD**

Units : **mg/L**

Run ID: **FID\_1\_101012A**

Prep Date: **10/12/2010 10:41**

| Analyte      | Result | PQL  | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|--------------|--------|------|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-E (DRO)  | 2.63   | 0.05 | 2.5    | 0.306     | 93   | 49      | 150     | 3.039     | 14.3(38)    |      |
| Surr: Nonane | 0      |      | 0.15   |           | 0    | 57      | 147     |           |             | S50  |

### Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

S50 = The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The laboratory control sample recovery was acceptable.



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Date:  
18-Oct-10

## QC Summary Report

Work Order:  
10101124

### Method Blank

Type: **MBLK** Test Code: **EPA Method SW8015B / E**

File ID: **7A10121006.D**

Batch ID: **25241**

Analysis Date: **10/12/2010 15:36**

Sample ID: **MBLK-25241**

Units : **mg/L**

Run ID: **FID\_7\_101012A**

Prep Date: **10/12/2010 12:34**

| Analyte              | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|----------------------|--------|-----|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-E (Fuel Product) | ND     | 0.1 |        |           |      |         |         |           |             |      |
| Surr: Nonane         | 0.144  |     | 0.15   |           | 96   | 57      | 147     |           |             |      |

### Laboratory Control Spike

Type: **LCS** Test Code: **EPA Method SW8015B / E**

File ID: **7A10121007.D**

Batch ID: **25241**

Analysis Date: **10/12/2010 16:03**

Sample ID: **LCS-25241**

Units : **mg/L**

Run ID: **FID\_7\_101012A**

Prep Date: **10/12/2010 12:34**

| Analyte      | Result | PQL  | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|--------------|--------|------|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-E (DRO)  | 2.28   | 0.05 | 2.5    |           | 91   | 67      | 130     |           |             |      |
| Surr: Nonane | 0.144  |      | 0.15   |           | 96   | 57      | 147     |           |             |      |

### Sample Matrix Spike

Type: **MS** Test Code: **EPA Method SW8015B / E**

File ID: **7A10121026.D**

Batch ID: **25241**

Analysis Date: **10/13/2010 00:28**

Sample ID: **10101123-08AMS**

Units : **mg/L**

Run ID: **FID\_7\_101012A**

Prep Date: **10/12/2010 12:34**

| Analyte      | Result | PQL  | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|--------------|--------|------|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-E (DRO)  | 2.56   | 0.05 | 2.5    | 0.22      | 93   | 49      | 150     |           |             |      |
| Surr: Nonane | 0      |      | 0.15   |           | 0    | 57      | 147     |           |             | S51  |

### Sample Matrix Spike Duplicate

Type: **MSD** Test Code: **EPA Method SW8015B / E**

File ID: **7A10121027.D**

Batch ID: **25241**

Analysis Date: **10/13/2010 00:55**

Sample ID: **10101123-08AMSD**

Units : **mg/L**

Run ID: **FID\_7\_101012A**

Prep Date: **10/12/2010 12:34**

| Analyte      | Result | PQL  | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|--------------|--------|------|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-E (DRO)  | 2.82   | 0.05 | 2.5    | 0.22      | 104  | 49      | 150     | 2.557     | 9.8(38)     |      |
| Surr: Nonane | 0      |      | 0.15   |           | 0    | 57      | 147     |           |             | S51  |

### Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

S51 = Surrogate recovery could not be determined due to the presence of co-eluting hydrocarbons.



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Date:  
19-Oct-10

## QC Summary Report

Work Order:  
10101124

### Method Blank

Type: **MBLK** Test Code: **EPA Method SW8015**

File ID: C:\HPCHEM\MS07\DATA\101013\10101306.D

Batch ID: **MS07W1013B**

Analysis Date: **10/13/2010 17:58**

Sample ID: **MBLK MS07W1013B**

Units : **mg/L**

Run ID: **MSD\_07\_101013A**

Prep Date: **10/13/2010 17:58**

| Analyte                     | Result  | PQL  | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|-----------------------------|---------|------|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-P (GRO)                 | ND      | 0.05 |        |           |      |         |         |           |             |      |
| Surr: 1,2-Dichloroethane-d4 | 0.0115  |      | 0.01   |           | 115  | 70      | 130     |           |             |      |
| Surr: Toluene-d8            | 0.00975 |      | 0.01   |           | 98   | 70      | 130     |           |             |      |
| Surr: 4-Bromofluorobenzene  | 0.0101  |      | 0.01   |           | 101  | 70      | 130     |           |             |      |

### Laboratory Control Spike

Type: **LCS** Test Code: **EPA Method SW8015**

File ID: C:\HPCHEM\MS07\DATA\101013\10101304.D

Batch ID: **MS07W1013B**

Analysis Date: **10/13/2010 17:11**

Sample ID: **GLCS MS07W1013B**

Units : **mg/L**

Run ID: **MSD\_07\_101013A**

Prep Date: **10/13/2010 17:11**

| Analyte                     | Result  | PQL  | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|-----------------------------|---------|------|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-P (GRO)                 | 0.416   | 0.05 | 0.4    |           | 104  | 70      | 130     |           |             |      |
| Surr: 1,2-Dichloroethane-d4 | 0.0113  |      | 0.01   |           | 113  | 70      | 130     |           |             |      |
| Surr: Toluene-d8            | 0.00977 |      | 0.01   |           | 98   | 70      | 130     |           |             |      |
| Surr: 4-Bromofluorobenzene  | 0.0101  |      | 0.01   |           | 101  | 70      | 130     |           |             |      |

### Sample Matrix Spike

Type: **MS** Test Code: **EPA Method SW8015**

File ID: C:\HPCHEM\MS07\DATA\101013\10101309.D

Batch ID: **MS07W1013B**

Analysis Date: **10/13/2010 19:09**

Sample ID: **10100844-03AGS**

Units : **mg/L**

Run ID: **MSD\_07\_101013A**

Prep Date: **10/13/2010 19:09**

| Analyte                     | Result | PQL  | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|-----------------------------|--------|------|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-P (GRO)                 | 1.97   | 0.25 | 2      | 0         | 99   | 58      | 135     |           |             |      |
| Surr: 1,2-Dichloroethane-d4 | 0.057  |      | 0.05   |           | 114  | 70      | 130     |           |             |      |
| Surr: Toluene-d8            | 0.0479 |      | 0.05   |           | 96   | 70      | 130     |           |             |      |
| Surr: 4-Bromofluorobenzene  | 0.0505 |      | 0.05   |           | 101  | 70      | 130     |           |             |      |

### Sample Matrix Spike Duplicate

Type: **MSD** Test Code: **EPA Method SW8015**

File ID: C:\HPCHEM\MS07\DATA\101013\10101310.D

Batch ID: **MS07W1013B**

Analysis Date: **10/13/2010 19:32**

Sample ID: **10100844-03AGSD**

Units : **mg/L**

Run ID: **MSD\_07\_101013A**

Prep Date: **10/13/2010 19:32**

| Analyte                     | Result | PQL  | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|-----------------------------|--------|------|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-P (GRO)                 | 2.04   | 0.25 | 2      | 0         | 102  | 58      | 135     | 1.974     | 3.4(20)     |      |
| Surr: 1,2-Dichloroethane-d4 | 0.0573 |      | 0.05   |           | 115  | 70      | 130     |           |             |      |
| Surr: Toluene-d8            | 0.0484 |      | 0.05   |           | 97   | 70      | 130     |           |             |      |
| Surr: 4-Bromofluorobenzene  | 0.0504 |      | 0.05   |           | 101  | 70      | 130     |           |             |      |

### Comments:

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Date:  
18-Oct-10

## QC Summary Report

Work Order:  
10101124

### Method Blank

Type: **MBLK** Test Code: **EPA Method SW8015**

File ID: C:\HPCHEM\MS10\DATA\101013\10101305.D

Batch ID: **MS10W1013B**

Analysis Date: **10/13/2010 09:32**

Sample ID: **MBLK MS10W1013B**

Units : **mg/L**

Run ID: **MSD\_10\_101013A**

Prep Date: **10/13/2010 09:32**

| Analyte                     | Result  | PQL  | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|-----------------------------|---------|------|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-P (GRO)                 | ND      | 0.05 |        |           |      |         |         |           |             |      |
| Surr: 1,2-Dichloroethane-d4 | 0.0103  |      | 0.01   |           | 103  | 70      | 130     |           |             |      |
| Surr: Toluene-d8            | 0.00901 |      | 0.01   |           | 90   | 70      | 130     |           |             |      |
| Surr: 4-Bromofluorobenzene  | 0.01    |      | 0.01   |           | 100  | 70      | 130     |           |             |      |

### Laboratory Control Spike

Type: **LCS** Test Code: **EPA Method SW8015**

File ID: C:\HPCHEM\MS10\DATA\101013\10101304.D

Batch ID: **MS10W1013B**

Analysis Date: **10/13/2010 09:11**

Sample ID: **GLCS MS10W1013B**

Units : **mg/L**

Run ID: **MSD\_10\_101013A**

Prep Date: **10/13/2010 09:11**

| Analyte                     | Result  | PQL  | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|-----------------------------|---------|------|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-P (GRO)                 | 0.452   | 0.05 | 0.4    |           | 113  | 70      | 130     |           |             |      |
| Surr: 1,2-Dichloroethane-d4 | 0.0103  |      | 0.01   |           | 103  | 70      | 130     |           |             |      |
| Surr: Toluene-d8            | 0.00895 |      | 0.01   |           | 90   | 70      | 130     |           |             |      |
| Surr: 4-Bromofluorobenzene  | 0.00983 |      | 0.01   |           | 98   | 70      | 130     |           |             |      |

### Sample Matrix Spike

Type: **MS** Test Code: **EPA Method SW8015**

File ID: C:\HPCHEM\MS10\DATA\101013\10101317.D

Batch ID: **MS10W1013B**

Analysis Date: **10/13/2010 13:50**

Sample ID: **10100845-21AGS**

Units : **mg/L**

Run ID: **MSD\_10\_101013A**

Prep Date: **10/13/2010 13:50**

| Analyte                     | Result | PQL  | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|-----------------------------|--------|------|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-P (GRO)                 | 2.29   | 0.25 | 2      | 0.06231   | 111  | 58      | 135     |           |             |      |
| Surr: 1,2-Dichloroethane-d4 | 0.0514 |      | 0.05   |           | 103  | 70      | 130     |           |             |      |
| Surr: Toluene-d8            | 0.0458 |      | 0.05   |           | 92   | 70      | 130     |           |             |      |
| Surr: 4-Bromofluorobenzene  | 0.0492 |      | 0.05   |           | 98   | 70      | 130     |           |             |      |

### Sample Matrix Spike Duplicate

Type: **MSD** Test Code: **EPA Method SW8015**

File ID: C:\HPCHEM\MS10\DATA\101013\10101319.D

Batch ID: **MS10W1013B**

Analysis Date: **10/13/2010 14:34**

Sample ID: **10100845-21AGSD**

Units : **mg/L**

Run ID: **MSD\_10\_101013A**

Prep Date: **10/13/2010 14:34**

| Analyte                     | Result | PQL  | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|-----------------------------|--------|------|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-P (GRO)                 | 2.33   | 0.25 | 2      | 0.06231   | 113  | 58      | 135     | 2.285     | 2.0(20)     |      |
| Surr: 1,2-Dichloroethane-d4 | 0.0458 |      | 0.05   |           | 92   | 70      | 130     |           |             |      |
| Surr: Toluene-d8            | 0.0464 |      | 0.05   |           | 93   | 70      | 130     |           |             |      |
| Surr: 4-Bromofluorobenzene  | 0.0483 |      | 0.05   |           | 97   | 70      | 130     |           |             |      |

### Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.





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Date:  
19-Oct-10

## QC Summary Report

Work Order:  
10101124

|                                    |      |    |    |     |    |     |
|------------------------------------|------|----|----|-----|----|-----|
| n-Butylbenzene                     | ND   | 1  |    |     |    |     |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND   | 5  |    |     |    |     |
| 1,2,4-Trichlorobenzene             | ND   | 2  |    |     |    |     |
| Naphthalene                        | ND   | 10 |    |     |    |     |
| 1,2,3-Trichlorobenzene             | ND   | 2  |    |     |    |     |
| Surr: 1,2-Dichloroethane-d4        | 11.5 |    | 10 | 115 | 70 | 130 |
| Surr: Toluene-d8                   | 9.75 |    | 10 | 98  | 70 | 130 |
| Surr: 4-Bromofluorobenzene         | 10.1 |    | 10 | 101 | 70 | 130 |

### Laboratory Control Spike

Type: LCS

Test Code: EPA Method SW8260B

File ID: C:\HPCHEMMS07\DATA\101013\10101303.D

Batch ID: MS07W1013A

Analysis Date: 10/13/2010 16:47

Sample ID: LCS MS07W1013A

Units: µg/L

Run ID: MSD\_07\_101013A

Prep Date: 10/13/2010 16:47

| Analyte                        | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|--------------------------------|--------|-----|--------|-----------|------|---------|---------|-----------|-------------|------|
| 1,1-Dichloroethene             | 9.85   | 1   | 10     |           | 99   | 80      | 120     |           |             |      |
| Methyl tert-butyl ether (MTBE) | 9.54   | 0.5 | 10     |           | 95   | 62      | 136     |           |             |      |
| Benzene                        | 9.73   | 0.5 | 10     |           | 97   | 70      | 130     |           |             |      |
| Trichloroethene                | 9.96   | 1   | 10     |           | 99.6 | 70      | 130     |           |             |      |
| Toluene                        | 9.43   | 0.5 | 10     |           | 94   | 80      | 120     |           |             |      |
| Chlorobenzene                  | 9.53   | 1   | 10     |           | 95   | 70      | 130     |           |             |      |
| Ethylbenzene                   | 9.3    | 0.5 | 10     |           | 93   | 80      | 120     |           |             |      |
| m,p-Xylene                     | 9.45   | 0.5 | 10     |           | 95   | 70      | 130     |           |             |      |
| o-Xylene                       | 10.7   | 0.5 | 10     |           | 107  | 70      | 130     |           |             |      |
| Surr: 1,2-Dichloroethane-d4    | 11.6   |     | 10     |           | 116  | 70      | 130     |           |             |      |
| Surr: Toluene-d8               | 9.78   |     | 10     |           | 98   | 70      | 130     |           |             |      |
| Surr: 4-Bromofluorobenzene     | 9.95   |     | 10     |           | 100  | 70      | 130     |           |             |      |

### Sample Matrix Spike

Type: MS

Test Code: EPA Method SW8260B

File ID: C:\HPCHEMMS07\DATA\101013\10101307.D

Batch ID: MS07W1013A

Analysis Date: 10/13/2010 18:22

Sample ID: 10100844-03AMS

Units: µg/L

Run ID: MSD\_07\_101013A

Prep Date: 10/13/2010 18:22

| Analyte                        | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|--------------------------------|--------|-----|--------|-----------|------|---------|---------|-----------|-------------|------|
| 1,1-Dichloroethene             | 48.4   | 2.5 | 50     | 0         | 97   | 60      | 130     |           |             |      |
| Methyl tert-butyl ether (MTBE) | 49.1   | 1.3 | 50     | 0         | 98   | 56      | 141     |           |             |      |
| Benzene                        | 49.6   | 1.3 | 50     | 0         | 99   | 67      | 130     |           |             |      |
| Trichloroethene                | 49     | 2.5 | 50     | 0         | 98   | 69      | 130     |           |             |      |
| Toluene                        | 46.2   | 1.3 | 50     | 0         | 92   | 66      | 130     |           |             |      |
| Chlorobenzene                  | 45.4   | 2.5 | 50     | 0         | 91   | 70      | 130     |           |             |      |
| Ethylbenzene                   | 45.5   | 1.3 | 50     | 0         | 91   | 68      | 130     |           |             |      |
| m,p-Xylene                     | 46.3   | 1.3 | 50     | 0         | 93   | 64      | 130     |           |             |      |
| o-Xylene                       | 52.3   | 1.3 | 50     | 0         | 105  | 70      | 130     |           |             |      |
| Surr: 1,2-Dichloroethane-d4    | 57.2   |     | 50     |           | 114  | 70      | 130     |           |             |      |
| Surr: Toluene-d8               | 48     |     | 50     |           | 96   | 70      | 130     |           |             |      |
| Surr: 4-Bromofluorobenzene     | 50.5   |     | 50     |           | 101  | 70      | 130     |           |             |      |

### Sample Matrix Spike Duplicate

Type: MSD

Test Code: EPA Method SW8260B

File ID: C:\HPCHEMMS07\DATA\101013\10101308.D

Batch ID: MS07W1013A

Analysis Date: 10/13/2010 18:45

Sample ID: 10100844-03AMSD

Units: µg/L

Run ID: MSD\_07\_101013A

Prep Date: 10/13/2010 18:45

| Analyte                        | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|--------------------------------|--------|-----|--------|-----------|------|---------|---------|-----------|-------------|------|
| 1,1-Dichloroethene             | 46.2   | 2.5 | 50     | 0         | 92   | 60      | 130     | 48.41     | 4.7(20)     |      |
| Methyl tert-butyl ether (MTBE) | 45.7   | 1.3 | 50     | 0         | 91   | 56      | 141     | 49.09     | 7.1(20)     |      |
| Benzene                        | 48.1   | 1.3 | 50     | 0         | 96   | 67      | 130     | 49.63     | 3.1(20)     |      |
| Trichloroethene                | 46.8   | 2.5 | 50     | 0         | 94   | 69      | 130     | 49.04     | 4.8(20)     |      |
| Toluene                        | 45.1   | 1.3 | 50     | 0         | 90   | 66      | 130     | 46.24     | 2.5(20)     |      |
| Chlorobenzene                  | 44.5   | 2.5 | 50     | 0         | 89   | 70      | 130     | 45.41     | 2.1(20)     |      |
| Ethylbenzene                   | 45     | 1.3 | 50     | 0         | 90   | 68      | 130     | 45.54     | 1.3(20)     |      |
| m,p-Xylene                     | 45.1   | 1.3 | 50     | 0         | 90   | 64      | 130     | 46.26     | 2.6(20)     |      |
| o-Xylene                       | 51.7   | 1.3 | 50     | 0         | 103  | 70      | 130     | 52.3      | 1.1(20)     |      |
| Surr: 1,2-Dichloroethane-d4    | 56.1   |     | 50     |           | 112  | 70      | 130     |           |             |      |
| Surr: Toluene-d8               | 48.4   |     | 50     |           | 97   | 70      | 130     |           |             |      |
| Surr: 4-Bromofluorobenzene     | 49.8   |     | 50     |           | 99.6 | 70      | 130     |           |             |      |



# *Alpha Analytical, Inc.*

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

**Date:**  
*19-Oct-10*

## QC Summary Report

**Work Order:**  
10101124

**Comments:**

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.







# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:  
18-Oct-10

## QC Summary Report

Work Order:  
10101124

|                                    |      |    |    |  |     |    |     |  |  |  |
|------------------------------------|------|----|----|--|-----|----|-----|--|--|--|
| n-Butylbenzene                     | ND   | 1  |    |  |     |    |     |  |  |  |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND   | 5  |    |  |     |    |     |  |  |  |
| 1,2,4-Trichlorobenzene             | ND   | 2  |    |  |     |    |     |  |  |  |
| Naphthalene                        | ND   | 10 |    |  |     |    |     |  |  |  |
| 1,2,3-Trichlorobenzene             | ND   | 2  |    |  |     |    |     |  |  |  |
| Surr: 1,2-Dichloroethane-d4        | 10.3 |    | 10 |  | 103 | 70 | 130 |  |  |  |
| Surr: Toluene-d8                   | 9.01 |    | 10 |  | 90  | 70 | 130 |  |  |  |
| Surr: 4-Bromofluorobenzene         | 10   |    | 10 |  | 100 | 70 | 130 |  |  |  |

### Laboratory Control Spike

Type: LCS

Test Code: EPA Method SW8260B

File ID: C:\HPCHEM\MS10\DATA\101013\10101303.D

Batch ID: MS10W1013A

Analysis Date: 10/13/2010 08:50

Sample ID: LCS MS10W1013A

Units: µg/L

Run ID: MSD\_10\_101013A

Prep Date: 10/13/2010 08:50

| Analyte                        | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|--------------------------------|--------|-----|--------|-----------|------|---------|---------|-----------|-------------|------|
| 1,1-Dichloroethene             | 10.5   | 1   | 10     |           | 105  | 80      | 120     |           |             |      |
| Methyl tert-butyl ether (MTBE) | 10.4   | 0.5 | 10     |           | 104  | 62      | 136     |           |             |      |
| Benzene                        | 10.9   | 0.5 | 10     |           | 109  | 70      | 130     |           |             |      |
| Trichloroethene                | 10.7   | 1   | 10     |           | 107  | 70      | 130     |           |             |      |
| Toluene                        | 9.56   | 0.5 | 10     |           | 96   | 80      | 120     |           |             |      |
| Chlorobenzene                  | 10.2   | 1   | 10     |           | 102  | 70      | 130     |           |             |      |
| Ethylbenzene                   | 10.6   | 0.5 | 10     |           | 106  | 80      | 120     |           |             |      |
| m,p-Xylene                     | 10.5   | 0.5 | 10     |           | 105  | 70      | 130     |           |             |      |
| o-Xylene                       | 10.8   | 0.5 | 10     |           | 108  | 70      | 130     |           |             |      |
| Surr: 1,2-Dichloroethane-d4    | 10.5   |     | 10     |           | 105  | 70      | 130     |           |             |      |
| Surr: Toluene-d8               | 8.9    |     | 10     |           | 89   | 70      | 130     |           |             |      |
| Surr: 4-Bromofluorobenzene     | 9.84   |     | 10     |           | 98   | 70      | 130     |           |             |      |

### Sample Matrix Spike

Type: MS

Test Code: EPA Method SW8260B

File ID: C:\HPCHEM\MS10\DATA\101013\10101315.D

Batch ID: MS10W1013A

Analysis Date: 10/13/2010 13:07

Sample ID: 10100845-21AMS

Units: µg/L

Run ID: MSD\_10\_101013A

Prep Date: 10/13/2010 13:07

| Analyte                        | Result | PQL | SpkVal | SpkRefVal | %REC  | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|--------------------------------|--------|-----|--------|-----------|-------|---------|---------|-----------|-------------|------|
| 1,1-Dichloroethene             | 56.1   | 2.5 | 50     |           | 0 112 | 60      | 130     |           |             |      |
| Methyl tert-butyl ether (MTBE) | 58.7   | 1.3 | 50     | 0.91      | 116   | 56      | 141     |           |             |      |
| Benzene                        | 57.8   | 1.3 | 50     |           | 0 116 | 67      | 130     |           |             |      |
| Trichloroethene                | 55.4   | 2.5 | 50     |           | 0 111 | 69      | 130     |           |             |      |
| Toluene                        | 49.3   | 1.3 | 50     |           | 0 99  | 66      | 130     |           |             |      |
| Chlorobenzene                  | 51.8   | 2.5 | 50     |           | 0 104 | 70      | 130     |           |             |      |
| Ethylbenzene                   | 55.9   | 1.3 | 50     |           | 0 112 | 68      | 130     |           |             |      |
| m,p-Xylene                     | 54.8   | 1.3 | 50     |           | 0 110 | 64      | 130     |           |             |      |
| o-Xylene                       | 56.9   | 1.3 | 50     |           | 0 114 | 70      | 130     |           |             |      |
| Surr: 1,2-Dichloroethane-d4    | 61     |     | 50     |           | 122   | 70      | 130     |           |             |      |
| Surr: Toluene-d8               | 43.4   |     | 50     |           | 87    | 70      | 130     |           |             |      |
| Surr: 4-Bromofluorobenzene     | 49.7   |     | 50     |           | 99    | 70      | 130     |           |             |      |

### Sample Matrix Spike Duplicate

Type: MSD

Test Code: EPA Method SW8260B

File ID: C:\HPCHEM\MS10\DATA\101013\10101316.D

Batch ID: MS10W1013A

Analysis Date: 10/13/2010 13:29

Sample ID: 10100845-21AMSD

Units: µg/L

Run ID: MSD\_10\_101013A

Prep Date: 10/13/2010 13:29

| Analyte                        | Result | PQL | SpkVal | SpkRefVal | %REC  | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|--------------------------------|--------|-----|--------|-----------|-------|---------|---------|-----------|-------------|------|
| 1,1-Dichloroethene             | 54.4   | 2.5 | 50     |           | 0 109 | 60      | 130     | 56.13     | 3.2(20)     |      |
| Methyl tert-butyl ether (MTBE) | 56.6   | 1.3 | 50     | 0.91      | 111   | 56      | 141     | 58.72     | 3.6(20)     |      |
| Benzene                        | 54.9   | 1.3 | 50     |           | 0 110 | 67      | 130     | 57.78     | 5.1(20)     |      |
| Trichloroethene                | 53.6   | 2.5 | 50     |           | 0 107 | 69      | 130     | 55.42     | 3.4(20)     |      |
| Toluene                        | 48.8   | 1.3 | 50     |           | 0 98  | 66      | 130     | 49.27     | 0.9(20)     |      |
| Chlorobenzene                  | 50     | 2.5 | 50     |           | 0 100 | 70      | 130     | 51.82     | 3.6(20)     |      |
| Ethylbenzene                   | 54.3   | 1.3 | 50     |           | 0 109 | 68      | 130     | 55.86     | 2.8(20)     |      |
| m,p-Xylene                     | 53.8   | 1.3 | 50     |           | 0 108 | 64      | 130     | 54.78     | 1.8(20)     |      |
| o-Xylene                       | 55.1   | 1.3 | 50     |           | 0 110 | 70      | 130     | 56.91     | 3.2(20)     |      |
| Surr: 1,2-Dichloroethane-d4    | 52.5   |     | 50     |           | 105   | 70      | 130     |           |             |      |
| Surr: Toluene-d8               | 45.6   |     | 50     |           | 91    | 70      | 130     |           |             |      |
| Surr: 4-Bromofluorobenzene     | 48.1   |     | 50     |           | 96    | 70      | 130     |           |             |      |



# *Alpha Analytical, Inc.*

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

**Date:**  
*18-Oct-10*

## QC Summary Report

**Work Order:**  
10101124

**Comments:**

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

**Billing Information :**

**CHAIN-OF-CUSTODY RECORD**

**AMENDED**

**CA**

**Alpha Analytical, Inc.**

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778  
 TEL: (775) 355-1044 FAX: (775) 355-0406

**WorkOrder : CHHL10101124**

**Report Due By : 5:00 PM On : 19-Oct-2010**

| Report Attention | Phone Number     | Email Address             |
|------------------|------------------|---------------------------|
| Daniel Jablonski | (213) 228-8271 x | daniel.jablonski@ch2m.com |
| Susan Clark      | (213) 228-8271 x | susan.clark@ch2m.com      |
| Vladimir Carino  | (213) 228-8271 x | vladimir.carino@ch2m.com  |

*VOCs for samples: 01A, 18A, 21A, 23A  
 EDD Required : No  
 25A are Due: 10/14/10*

Sampled by : Think Hoang

Cooler Temp **0 °C** Samples Received **09-Oct-2010** Date Printed **12-Oct-2010**

Client's COC# : none Job : KMEP DFSP Norwalk  
 QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date   | No. of Bottles |     | Requested Tests |                                |                                | Sample Remarks                 |  |
|-----------------|------------------|--------|-------------------|----------------|-----|-----------------|--------------------------------|--------------------------------|--------------------------------|--|
|                 |                  |        |                   | Alpha          | Sub | TPHE_W          | TPHP_W                         | VOC_W                          |                                |  |
| CHH10101124-01A | MW-18(MID)       | AQ     | 10/07/10<br>13:43 | 8              | 0   | 6               | TPHE(0.10)<br>+Vmyl<br>acetate | TPHP(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |  |
| CHH10101124-02A | EB-7             | AQ     | 10/07/10<br>14:45 | 8              | 0   | 6               | TPHE(0.10)<br>+Vmyl<br>acetate | TPHP(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |  |
| CHH10101124-03A | PZ-10            | AQ     | 10/07/10<br>12:59 | 8              | 0   | 6               | TPHE(0.10)<br>+Vmyl<br>acetate | TPHP(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |  |
| CHH10101124-04A | GMW-O-10         | AQ     | 10/07/10<br>12:19 | 8              | 0   | 6               | TPHE(0.10)<br>+Vmyl<br>acetate | TPHP(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |  |
| CHH10101124-05A | GMW-27           | AQ     | 10/07/10<br>11:39 | 8              | 0   | 6               | TPHE(0.10)<br>+Vmyl<br>acetate | TPHP(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |  |
| CHH10101124-06A | GMW-14           | AQ     | 10/07/10<br>11:04 | 8              | 0   | 6               | TPHE(0.10)<br>+Vmyl<br>acetate | TPHP(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |  |
| CHH10101124-07A | GMW-SF-10        | AQ     | 10/07/10<br>10:29 | 8              | 0   | 6               | TPHE(0.10)<br>+Vmyl<br>acetate | TPHP(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |  |
| CHH10101124-08A | GMW-39           | AQ     | 10/07/10<br>09:49 | 8              | 0   | 6               | TPHE(0.10)<br>+Vmyl<br>acetate | TPHP(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |  |

**Comments:** Security seals intact. Frozen ice. Samples rec'd Saturday 10/9/10, kept cold and secure until login on Monday. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Amended 10/12/10: Per email from Daniel he needs VOCs for samples -01A, -18A, -21A, -23A, and -25A on a 3 day TAT. Due 10/14/10. EA

Signature: *Elizabeth Adcox* Print Name: Elizabeth Adcox Company: Alpha Analytical, Inc. Date/Time: 10-12-10 15:14

**NOTE:** Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

**Billing Information :**

**CHAIN-OF-CUSTODY RECORD**

**AMENDED**  
Page 2 of 2

**CA**

**Alpha Analytical, Inc.**

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778  
TEL: (775) 355-1044 FAX: (775) 355-0406

**WorkOrder : CHHL10101124**

**Report Due By : 5:00 PM On : 19-Oct-2010**

| Report Attention | Phone Number     | Email Address             |
|------------------|------------------|---------------------------|
| Daniel Jablonski | (213) 228-8271 x | daniel.jablonski@ch2m.com |
| Susan Clark      | (213) 228-8271 x | susan.clark@ch2m.com      |
| Vladimir Carino  | (213) 228-8271 x | vladimir.carino@ch2m.com  |

EDD Required : No

Sampled by : Thinh Hoang

Cooler Temp 0 °C Samples Received 09-Oct-2010 Date Printed 12-Oct-2010

Client: CH2M Hill  
1000 Wilshire Boulevard  
21st Floor  
Los Angeles, CA 90017  
PO :  
Client's COC# : none Job : KMFP DFSP Norwalk  
QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date | No. of Bottles Alpha Sub TAT | Requested Tests                |                                |                                | Sample Remarks        |
|-----------------|------------------|--------|-----------------|------------------------------|--------------------------------|--------------------------------|--------------------------------|-----------------------|
|                 |                  |        |                 |                              | TPHE_W                         | TPHP_W                         | VOC_W                          |                       |
| CHH10101124-09A | DUP-2            | AQ     | 10/07/10 00:00  | 8 0 6                        | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                       |
| CHH10101124-10A | GMW-SF-9         | AQ     | 10/07/10 09:14  | 8 0 6                        | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                       |
| CHH10101124-11A | MW-8             | AQ     | 10/07/10 08:37  | 7 0 6                        | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | One voa rec'd broken. |
| CHH10101124-12A | WCW-7            | AQ     | 10/07/10 07:59  | 8 0 6                        | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                       |
| CHH10101124-13A | MW-7             | AQ     | 10/07/10 07:22  | 8 0 6                        | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                       |
| CHH10101124-14A | DUP-8            | AQ     | 10/07/10 00:00  | 8 0 6                        | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                       |
| CHH10101124-15A | DUP-1            | AQ     | 10/07/10 00:00  | 8 0 6                        | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                       |
| CHH10101124-16A | EB-8             | AQ     | 10/07/10 14:50  | 8 0 6                        | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                       |

**Comments:** Security seals intact. Frozen ice. Samples rec'd Saturday 10/9/10, kept cold and secure until login on Monday. Analysts: Run two analyses in order to achieve lower reporting limits for all other analyses due to high TBA values. Amended 10/12/10.: Per email from Daniel he needs VOCs for samples -01A, -18A, -21A, -23A, and -25A on a 3 day TAT. Due 10/14/10. EA

Signature: *Elizabeth Adcox* Print Name: Elizabeth Adcox Company: Alpha Analytical, Inc. Date/Time: 10-12-10 1514

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

**CHAIN-OF-CUSTODY RECORD**

**CA**

**Alpha Analytical, Inc.**

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778  
TEL: (775) 355-1044 FAX: (775) 355-0406

**WorkOrder : CHHL10101124**

**Report Due By : 5:00 PM On : 19-Oct-2010**

| Report Attention | Phone Number     | E-Mail Address            |
|------------------|------------------|---------------------------|
| Daniel Jablonski | (213) 228-8271 x | daniel.jablonski@ch2m.com |
| Susan Clark      | (213) 228-8271 x | susan.clark@ch2m.com      |
| Vladimir Carino  | (213) 228-8271 x | vladimir.carino@ch2m.com  |

EDD Required : No

Sampled by : Think Hoang

Cooler Temp 0 °C  
Samples Received 09-Oct-2010  
Date Printed 12-Oct-2010

**Billing Information :**

Client: CH2M Hill  
1000 Wilshire Boulevard  
21st Floor  
Los Angeles, CA 90017

PO :  
Client's COC # : none  
Job : KMEP DFSP Norwalk  
QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date | No. of Bottles |     |     | Requested Tests                |                                |                                | Sample Remarks                       |
|-----------------|------------------|--------|-----------------|----------------|-----|-----|--------------------------------|--------------------------------|--------------------------------|--------------------------------------|
|                 |                  |        |                 | Alpha          | Sub | TAT | TPHE_W                         | TPHIP_W                        | VOC_W                          |                                      |
| CHH10101124-17A | TB-4             | AQ     | 10/07/10 07:00  | 2              | 0   | 6   |                                |                                | TPHE(0.10)<br>+Vmyl<br>acetate | Reno Trip Blanks 8/24/10,<br>8/12/10 |
| CHH10101124-18A | MW-SF-4          | AQ     | 10/07/10 13:36  | 8              | 0   | 6   | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                                      |
| CHH10101124-19A | MW-9             | AQ     | 10/07/10 08:59  | 8              | 0   | 6   | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                                      |
| CHH10101124-20A | GMW-1            | AQ     | 10/07/10 08:24  | 8              | 0   | 6   | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                                      |
| CHH10101124-21A | MW-SF-9          | AQ     | 10/07/10 07:44  | 8              | 0   | 6   | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                                      |
| CHH10101124-22A | PZ-5             | AQ     | 10/07/10 09:48  | 7              | 0   | 6   | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | One voa rec'd broken.                |
| CHH10101124-23A | MW-SF-1          | AQ     | 10/07/10 10:39  | 8              | 0   | 6   | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                                      |
| CHH10101124-24A | GMW-O-14         | AQ     | 10/07/10 11:31  | 8              | 0   | 6   | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                                      |

**Comments:** Security seals intact. Frozen ice. Samples rec'd Saturday 10/9/10, kept cold and secure until login on Monday. Analysis: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Amended 10/12/10.: Per email from Daniel he needs VOCs for samples -01A, -18A, -21A, -23A, and -25A on a 3 day TAT. Due 10/14/10. EA

Logged in by: *Elizabeth Adcox* Signature  
Print Name: Elizabeth Adcox  
Company: Alpha Analytical, Inc.  
Date/Time: 10-12-10 15:14

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

**Billing Information :**

**CHAIN-OF-CUSTODY RECORD**

**CA AMENDED**

**Alpha Analytical, Inc.**

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778  
 TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : CHHL10101124

Report Due By : 5:00 PM On : 19-Oct-2010

| Report Attention | Phone Number     | Email Address             |
|------------------|------------------|---------------------------|
| Daniel Jablonski | (213) 228-8271 x | daniel.jablonski@ch2m.com |
| Susan Clark      | (213) 228-8271 x | susan.clark@ch2m.com      |
| Vladimir Carino  | (213) 228-8271 x | vladimir.carino@ch2m.com  |

**Client:**

CH2M Hill  
 1000 Wilshire Boulevard  
 21st Floor  
 Los Angeles, CA 90017

EDD Required : No

Sampled by : Thinh Hoang

Cooler Temp 0 °C  
 Samples Received 09-Oct-2010  
 Date Printed 12-Oct-2010

PO :  
 Client's COC # : none  
 Job : KMEP DFSP Norwalk  
 QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date   | No. of Bottles Alpha Sub TAT | Requested Tests                |                                |                                | Sample Remarks |
|-----------------|------------------|--------|-------------------|------------------------------|--------------------------------|--------------------------------|--------------------------------|----------------|
|                 |                  |        |                   |                              | TPHE_W<br>+Vmyl<br>acetate     | TPHP_W<br>+Vmyl<br>acetate     | VOC_W                          |                |
| CHH10101124-25A | GMW-9            | AQ     | 10/07/10<br>12:52 | 8 0 6                        | TPHE(0.10)<br>+Vmyl<br>acetate | TPHP(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                |
| CHH10101124-26A | DUP-3            | AQ     | 10/07/10<br>00:00 | 8 0 6                        | TPHE(0.10)<br>+Vmyl<br>acetate | TPHP(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                |

**Comments:** Security seals intact. Frozen ice. Samples rec'd Saturday 10/9/10, kept cold and secure until login on Monday. Analysis: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Amended 10/12/10: Per email from Daniel he needs VOCs for samples -01A, -18A, -21A, -23A, and -25A on a 3 day TAT. Due 10/14/10. EA

Signature: *Elizabeth Odcox* Print Name: Elizabeth Adcox Company: Alpha Analytical, Inc. Date/Time: 10-12-10 1514

**NOTE:** Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

# CHAIN-OF-CUSTODY RECORD

# CA

## Alpha Analytical, Inc.

WorkOrder : CHHL10101124

Report Due By : 5:00 PM On : 19-Oct-10

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778  
 TEL: (775) 355-1044 FAX: (775) 355-0406

| Report Attention | Phone Number     | Email Address             |
|------------------|------------------|---------------------------|
| Daniel Jablonski | (213) 228-8271 x | daniel.jablonski@ch2m.com |
| Susan Clark      | (213) 228-8271 x | susan.clark@ch2m.com      |
| Vladimir Carino  | (213) 228-8271 x | vladimir.carino@ch2m.com  |

EDD Required : No

Sampled by : Thinh Hoang

Cooler Temp 0 °C Samples Received 09-Oct-10 Date Printed 11-Oct-10

PO : Client's COC # : none Job : KMEP DFSP Norwalk  
 QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date | No. of Bottles |     |     | Requested Tests                |                                |                                | Sample Remarks |
|-----------------|------------------|--------|-----------------|----------------|-----|-----|--------------------------------|--------------------------------|--------------------------------|----------------|
|                 |                  |        |                 | Alpha          | Sub | TAT | TPHE_W                         | TPHP_W                         | VOC_W                          |                |
| CHH10101124-01A | MW-18(MID)       | AQ     | 10/07/10 13:43  | 8              | 0   | 6   | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                |
| CHH10101124-02A | EB-7             | AQ     | 10/07/10 14:45  | 8              | 0   | 6   | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                |
| CHH10101124-03A | PZ-10            | AQ     | 10/07/10 12:59  | 8              | 0   | 6   | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                |
| CHH10101124-04A | GMW-O-10         | AQ     | 10/07/10 12:19  | 8              | 0   | 6   | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                |
| CHH10101124-05A | GMW-27           | AQ     | 10/07/10 11:39  | 8              | 0   | 6   | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                |
| CHH10101124-06A | GMW-14           | AQ     | 10/07/10 11:04  | 8              | 0   | 6   | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                |
| CHH10101124-07A | GMW-SF-10        | AQ     | 10/07/10 10:29  | 8              | 0   | 6   | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                |
| CHH10101124-08A | GMW-39           | AQ     | 10/07/10 09:49  | 8              | 0   | 6   | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                |

Comments: Security seals intact. Frozen ice. Samples rec'd Saturday 10/9/10, kept cold and secure until login on Monday. Analysis: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values.:

Logged in by: *K Murray* Signature *K Murray* Print Name *K Murray* Company Alpha Analytical, Inc. Date/Time 10/11/10 1045

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other



# CHAIN-OF-CUSTODY RECORD

# CA

## Alpha Analytical, Inc.

WorkOrder : **CHHL10101124**  
 Report Due By : **5:00 PM On : 19-Oct-10**

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778  
 TEL: (775) 355-1044 FAX: (775) 355-0406

| Report Attention | Phone Number     | Email Address             |
|------------------|------------------|---------------------------|
| Daniel Jablonski | (213) 228-8271 x | daniel.jablonski@ch2m.com |
| Susan Clark      | (213) 228-8271 x | susan.clark@ch2m.com      |
| Vladimir Carino  | (213) 228-8271 x | vladimir.carino@ch2m.com  |

EDD Required : **No**

Sampled by : **Thinh Hoang**

Cooler Temp **0 °C**      Samples Received **09-Oct-10**      Date Printed **11-Oct-10**

Client's COC # : none      Job : **KMEP DFSP Norwalk**  
 Client Level : **S3**      = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date | No. of Bottles Alpha | Sub | TAT | Requested Tests                |                                |                                | Sample Remarks        |
|-----------------|------------------|--------|-----------------|----------------------|-----|-----|--------------------------------|--------------------------------|--------------------------------|-----------------------|
|                 |                  |        |                 |                      |     |     | TPHE_W                         | TPHP_W                         | VOC_W                          |                       |
| CHH10101124-09A | DUP-2            | AQ     | 10/07/10 00:00  | 8                    | 0   | 6   | TPHE(0.10)<br>+Vnyl<br>acetate | TPHE(0.10)<br>+Vnyl<br>acetate | TPHE(0.10)<br>+Vnyl<br>acetate |                       |
| CHH10101124-10A | GMW-SF-9         | AQ     | 10/07/10 09:14  | 8                    | 0   | 6   | TPHE(0.10)<br>+Vnyl<br>acetate | TPHE(0.10)<br>+Vnyl<br>acetate | TPHE(0.10)<br>+Vnyl<br>acetate |                       |
| CHH10101124-11A | MW-8             | AQ     | 10/07/10 08:37  | 7                    | 0   | 6   | TPHE(0.10)<br>+Vnyl<br>acetate | TPHE(0.10)<br>+Vnyl<br>acetate | TPHE(0.10)<br>+Vnyl<br>acetate | One vna rec'd broken. |
| CHH10101124-12A | WCW-7            | AQ     | 10/07/10 07:59  | 8                    | 0   | 6   | TPHE(0.10)<br>+Vnyl<br>acetate | TPHE(0.10)<br>+Vnyl<br>acetate | TPHE(0.10)<br>+Vnyl<br>acetate |                       |
| CHH10101124-13A | MW-7             | AQ     | 10/07/10 07:22  | 8                    | 0   | 6   | TPHE(0.10)<br>+Vnyl<br>acetate | TPHE(0.10)<br>+Vnyl<br>acetate | TPHE(0.10)<br>+Vnyl<br>acetate |                       |
| CHH10101124-14A | DUP-8            | AQ     | 10/07/10 00:00  | 8                    | 0   | 6   | TPHE(0.10)<br>+Vnyl<br>acetate | TPHE(0.10)<br>+Vnyl<br>acetate | TPHE(0.10)<br>+Vnyl<br>acetate |                       |
| CHH10101124-15A | DUP-1            | AQ     | 10/07/10 00:00  | 8                    | 0   | 6   | TPHE(0.10)<br>+Vnyl<br>acetate | TPHE(0.10)<br>+Vnyl<br>acetate | TPHE(0.10)<br>+Vnyl<br>acetate |                       |
| CHH10101124-16A | EB-8             | AQ     | 10/07/10 14:50  | 8                    | 0   | 6   | TPHE(0.10)<br>+Vnyl<br>acetate | TPHE(0.10)<br>+Vnyl<br>acetate | TPHE(0.10)<br>+Vnyl<br>acetate |                       |

Comments: Security seals intact. Frozen ice. Samples rec'd Saturday 10/9/10, kept cold and secure until login on Monday. Analysis: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. :

Signature: *K Murray*      Print Name: **K Murray**      Company: **Alpha Analytical, Inc.**      Date/Time: **10/11/10 1045**

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other)      Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

# CHAIN-OF-CUSTODY RECORD

# CA

## Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778  
 TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : CHHL10101124

Report Due By : 5:00 PM On : 19-Oct-10

| Report Attention | Phone Number     | Email Address             |
|------------------|------------------|---------------------------|
| Daniel Jablonski | (213) 228-8271 x | daniel.jablonski@ch2m.com |
| Susan Clark      | (213) 228-8271 x | susan.clark@ch2m.com      |
| Vladimir Carino  | (213) 228-8271 x | vladimir.carino@ch2m.com  |

EDD Required : No

Sampled by : Thinh Hoang

Cooler Temp 0 °C Samples Received 09-Oct-10 Date Printed 11-Oct-10

PO :  
 Client's COC # : none Job : KMEP DFSP Norwalk  
 QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date | No. of Bottles |     |     | Requested Tests                |                                |                                | Sample Remarks                       |
|-----------------|------------------|--------|-----------------|----------------|-----|-----|--------------------------------|--------------------------------|--------------------------------|--------------------------------------|
|                 |                  |        |                 | Alpha          | Sub | TAT | TPHE_W                         | TPHP_W                         | VOC_W                          |                                      |
| CHH10101124-17A | TB-4             | AQ     | 10/07/10 07:00  | 2              | 0   | 6   |                                |                                | TPHE(0.10)<br>+Vmyl<br>acetate | Reno Trip Blanks 8/24/10,<br>8/12/10 |
| CHH10101124-18A | MW-SF-4          | AQ     | 10/07/10 13:36  | 8              | 0   | 6   | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                                      |
| CHH10101124-19A | MW-9             | AQ     | 10/07/10 08:59  | 8              | 0   | 6   | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                                      |
| CHH10101124-20A | GMW-1            | AQ     | 10/07/10 08:24  | 8              | 0   | 6   | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                                      |
| CHH10101124-21A | MW-SF-9          | AQ     | 10/07/10 07:44  | 8              | 0   | 6   | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                                      |
| CHH10101124-22A | PZ-5             | AQ     | 10/07/10 09:48  | 7              | 0   | 6   | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | One voa rec'd broken.                |
| CHH10101124-23A | MW-SF-1          | AQ     | 10/07/10 10:39  | 8              | 0   | 6   | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                                      |
| CHH10101124-24A | GMW-O-14         | AQ     | 10/07/10 11:31  | 8              | 0   | 6   | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                                      |

Comments: Security seals intact. Frozen ice. Samples rec'd Saturday 10/9/10, kept cold and secure until login on Monday. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values.:

Logged in by: *K Murray* Signature *K Murray* Print Name *K Murray* Company Alpha Analytical, Inc. Date/Time 10/11/10 10:45

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

# CHAIN-OF-CUSTODY RECORD

# CA

## Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778  
 TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : CHHL10101124

Report Due By : 5:00 PM On : 19-Oct-10

| Report Attention | Phone Number     | Email Address             |
|------------------|------------------|---------------------------|
| Daniel Jablonski | (213) 228-8271 x | daniel.jablonski@ch2m.com |
| Susan Clark      | (213) 228-8271 x | susan.clark@ch2m.com      |
| Vladimir Carino  | (213) 228-8271 x | vladimir.carino@ch2m.com  |

EDD Required : No

Sampled by : Thinh Hoang

Cooler Temp 0 °C Samples Received 09-Oct-10 Date Printed 11-Oct-10

Client: CH2M Hill  
 1000 Wilshire Boulevard  
 21st Floor  
 Los Angeles, CA 90017  
 PO :  
 Client's COC # : none Job : KMEP DFSP Norwalk  
 QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date   | No. of Bottles |     |     | Requested Tests                |                                |                                | Sample Remarks |
|-----------------|------------------|--------|-------------------|----------------|-----|-----|--------------------------------|--------------------------------|--------------------------------|----------------|
|                 |                  |        |                   | Alpha          | Sub | TAT | TPHE_W                         | TPHP_W                         | VOC_W                          |                |
| CHH10101124-25A | GMW-9            | AQ     | 10/07/10<br>12:52 | 8              | 0   | 6   | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                |
| CHH10101124-26A | DUP-3            | AQ     | 10/07/10<br>00:00 | 8              | 0   | 6   | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |                |

Comments: Security seals intact. Frozen ice. Samples rec'd Saturday 10/9/10, kept cold and secure until login on Monday. Analysis: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values.:

Logged in by: *K Murray* Signature *K Murray* Print Name *K Murray* Company Alpha Analytical, Inc. Date/Time 10/11/10 10:45

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

# BLAINE

1680 ROGERS AVENUE  
 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
 PHONE (408) 573-0555

TECH SERVICES, INC.

Alpha Analytical COC 1 of 3

## CHAIN OF CUSTODY

CLIENT

Kinder Morgan

SITE

DFSP Norwalk

15306 Norwalk Blvd, Norwalk

| SAMPLE I.D. | DATE     | TIME | MATRIX | CONTAINERS |                   |
|-------------|----------|------|--------|------------|-------------------|
|             |          |      |        | #          | Preservation Type |
| MW-18 (MWD) | 10/02/10 | 1343 | AQ     | 8          | HCl VOA           |
| EB-7        |          | 1445 | AQ     | 8          | HCl VOA           |
| P2-10       |          | 1254 | AQ     | 8          | HCl VOA           |
| GMW-0-10    |          | 1219 | AQ     | 8          | HCl VOA           |
| GMW-27      |          | 1139 | AQ     | 8          | HCl VOA           |
| GMW-14      |          | 1104 | AQ     | 8          | HCl VOA           |
| GMW-35-10   |          | 1029 | AQ     | 8          | HCl VOA           |
| GMW-39      |          | 0949 | AQ     | 8          | HCl VOA           |
| DUP-2       |          | -    | AQ     | 8          | HCl VOA           |
| GMW-SF-9    |          | 0914 | AQ     | 8          | HCl VOA           |

SAMPLING PERFORMED BY  
 TR

DATE 10.2.10  
 TIME 15:00

RELEASED BY

TR

DATE

TIME

RECEIVED BY

630

TIME

630

RECEIVED BY

Think Acay

RESULTS NEEDED  
 NO LATER THAN

Standard

DATE

10.8.10

TIME

630

RELEASED BY

TR

DATE

10/11/10

RECEIVED BY

630

TIME

630

RECEIVED BY

Kilumay

DATE

10/11/10

TIME

1015

SHIPPED VIA

TIME SENT

COOLER #

| CONDUCT ANALYSIS TO DETECT |                                | ADD'L INFORMATION | STATUS | CONDITION | LAB SAMPLE # |
|----------------------------|--------------------------------|-------------------|--------|-----------|--------------|
| TPHg, TPHp (EPA 8015M)     | VOC's & Oxygenates (EPA 8260B) |                   |        |           |              |
| X                          | X                              |                   |        |           | 01           |
| X                          | X                              |                   |        |           | 02           |
| X                          | X                              |                   |        |           | 03           |
| X                          | X                              |                   |        |           | 04           |
| X                          | X                              |                   |        |           | 05           |
| X                          | X                              |                   |        |           | 06           |
| X                          | X                              |                   |        |           | 07           |
| X                          | X                              |                   |        |           | 08           |
| X                          | X                              |                   |        |           | 09           |
| X                          | X                              |                   |        |           | 10           |

CHH10101124

## LAB

Billing Information:  
 Kinder Morgan  
 1100 Town and Country Rd.  
 Orange CA 95112

Kindergarten Norwalk  
 Report to:  
 Dan Jablonski  
 CH2MHILL  
 1000 Wilshire Blvd 21st floor  
 Los Angeles, CA 90017

# BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE  
 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
 PHONE (408) 573-0555

Alpha Analytical COC 2 of 3

CHAIN OF CUSTODY

CLIENT **Kinder Morgan**

SITE **DFSP Norwalk**

15306 Norwalk Blvd, Norwalk

CONTAINERS

| SAMPLE I.D. | DATE     | TIME | MATRIX | # | Preservation | Type |
|-------------|----------|------|--------|---|--------------|------|
| MW-8        | 10/07/10 | 0837 | AQ     | 8 | HCl          | VQA  |
| WG-7        |          | 0759 | AQ     | 8 | HCl          | VQA  |
| MW-7        |          | 0722 | AQ     | 8 | HCl          | VQA  |
| DUP-8       | 10/7/10  | -    | AQ     | 8 | HCl          | VQA  |
| DUP-1       |          | -    | AQ     | 8 | MeL          | VQA  |
| EB-8        |          | 1450 | AQ     | 8 | HCl          | VQA  |

| CONDUCT ANALYSIS TO DETECT     | ADD'L INFORMATION | STATUS | CONDITION | LAB SAMPLE # |
|--------------------------------|-------------------|--------|-----------|--------------|
| TPHg, TPHp (EPA 8015M)         | 1 vqa rec'd       | broken |           | 11           |
| VOC's & Oxygenates (EPA 8260B) |                   |        |           | 12           |
|                                |                   |        |           | 13           |
|                                |                   |        |           | 14           |
|                                |                   |        |           | 15           |
|                                |                   |        |           | 16           |

CHH10101124

RESULTS NEEDED  
 NO LATER THAN **Standard**

RELEASSED BY *TRD* DATE 10/8/10 TIME 6:30  
 RECEIVED BY *[Signature]* DATE 10/11/10 TIME 10:15

RELEASSED BY *[Signature]* DATE 10/11/10 TIME 10:15  
 RECEIVED BY *K Murray* DATE 10/11/10 TIME 10:15

RELEASSED BY *[Signature]* DATE 10/11/10 TIME 10:15  
 RECEIVED BY *[Signature]* DATE 10/11/10 TIME 10:15

SHIPPED VIA \_\_\_\_\_ TIME SENT \_\_\_\_\_ COOLER # \_\_\_\_\_

# BLAINE

1680 ROGERS AVENUE  
 SAN JOSE, CALIFORNIA 95112-1105  
 FAX (408) 573-7771  
 PHONE (408) 573-0555

Alpha Analytical COC 3 of 3

Billing Information:  
 Kinder Morgan  
 1100 Town and Country Rd.  
 Orange CA 95112

## CHAIN OF CUSTODY

CLIENT: Kinder Morgan  
 SITE: DFSP Norwalk  
 15306 Norwalk Blvd, Norwalk

| SAMPLE I.D. | DATE    | TIME | MATRIX | CONTAINERS |                   |
|-------------|---------|------|--------|------------|-------------------|
|             |         |      |        | #          | Preservation Type |
| TS-4        | 10-7-10 | 0700 | AQ     | 2          | HCl VOA           |
| MW-SF-4     |         | 1330 | AQ     | 8          | HCl VOA           |
| MW-9        |         | 0859 | AQ     | 8          | HCl VOA           |
| GMN-1       |         | 0924 | AQ     | 8          | HCl VOA           |
| MW-SF-9     |         | 0744 | AQ     | 8          | HCl VOA           |
| PZ-5        |         | 0948 | AQ     | 8          | HCl VOA           |
| MW-SF-1     |         | 1039 | AQ     | 8          | HCl VOA           |
| GMN-0-14    |         | 1131 | AQ     | 8          | HCl VOA           |
| GMN-9       |         | 1252 | AQ     | 8          | HCl VOA           |
| DUP-3       |         | -    | AQ     | 8          | HCl VOA           |

SAMPLING PERFORMED BY: *TRP*

DATE: 10-7-10 TIME: 1500

RELEASED BY: *TRP*

RECEIVED BY: *[Signature]*

RECEIVED BY: *[Signature]*

RECEIVED BY: *[Signature]*

SHIPPED VIA

| CONDUCT ANALYSIS TO DETECT |                                | STATUS | CONDITION | LAB SAMPLE # |
|----------------------------|--------------------------------|--------|-----------|--------------|
| TPHg, TPHp (EPA 8015M)     | VOC's & Oxygenates (EPA 8260B) |        |           |              |
| X                          | X                              |        |           | 17           |
| X                          | X                              |        |           | 18           |
| X                          | X                              |        |           | 19           |
| X                          | X                              |        |           | 20           |
| X                          | X                              |        |           | 21           |
| X                          | X                              |        |           | 22           |
| X                          | X                              |        |           | 23           |
| X                          | X                              |        |           | 24           |
| X                          | X                              |        |           | 25           |
| X                          | X                              |        |           | 26           |

CHH10101124

1 vial red broken

RESULTS NEEDED NO LATER THAN Standard

|          |      |
|----------|------|
| DATE     | TIME |
| 10-8-10  | 830  |
| DATE     | TIME |
| 10/11/10 | 1015 |
| DATE     | TIME |
|          |      |

RECEIVED BY: *Trinh Hoang*

TIME: 6:30

RECEIVED BY: *[Signature]*

TIME: 6:30

RECEIVED BY: *[Signature]*

TIME SENT

COOLER #



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135  
Date Received : 10/12/10

Job: KMEP DFSP Norwalk

Total Petroleum Hydrocarbons - Extractable (TPH-E) EPA Method SW8015B  
Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B

|              | Parameter       | Concentration               | Reporting Limit | Date Extracted | Date Analyzed  |
|--------------|-----------------|-----------------------------|-----------------|----------------|----------------|
| Client ID :  | <b>GMW-25</b>   |                             |                 |                |                |
| Lab ID :     | CHH10101202-02A | TPH-E (Fuel Product)        | 49 *            | 0.50 mg/L      | 10/14/10 12:50 |
| Date Sampled | 10/08/10 08:08  | Surr: Nonane                | 0 S50           | (57-147) %REC  | 10/14/10 12:50 |
|              |                 | TPH-P (GRO)                 | 15              | 10 mg/L        | 10/13/10       |
|              |                 | Surr: 1,2-Dichloroethane-d4 | 100             | (70-130) %REC  | 10/13/10       |
|              |                 | Surr: Toluene-d8            | 100             | (70-130) %REC  | 10/13/10       |
|              |                 | Surr: 4-Bromofluorobenzene  | 98              | (70-130) %REC  | 10/13/10       |
| Client ID :  | <b>MW-SF-5</b>  |                             |                 |                |                |
| Lab ID :     | CHH10101202-03A | TPH-E (Fuel Product)        | 2.7 *           | 0.50 mg/L      | 10/14/10 12:50 |
| Date Sampled | 10/08/10 08:47  | Surr: Nonane                | 93              | (57-147) %REC  | 10/14/10 12:50 |
|              |                 | TPH-P (GRO)                 | 0.54            | 0.20 mg/L      | 10/13/10       |
|              |                 | Surr: 1,2-Dichloroethane-d4 | 100             | (70-130) %REC  | 10/13/10       |
|              |                 | Surr: Toluene-d8            | 100             | (70-130) %REC  | 10/13/10       |
|              |                 | Surr: 4-Bromofluorobenzene  | 98              | (70-130) %REC  | 10/13/10       |
| Client ID :  | <b>GMW-O-23</b> |                             |                 |                |                |
| Lab ID :     | CHH10101202-04A | TPH-E (Fuel Product)        | 25 **           | 0.50 mg/L      | 10/14/10 12:50 |
| Date Sampled | 10/08/10 09:49  | Surr: Nonane                | 0 S51           | (57-147) %REC  | 10/14/10 12:50 |
|              |                 | TPH-P (GRO)                 | 120             | 20 mg/L        | 10/13/10       |
|              |                 | Surr: 1,2-Dichloroethane-d4 | 101             | (70-130) %REC  | 10/13/10       |
|              |                 | Surr: Toluene-d8            | 98              | (70-130) %REC  | 10/13/10       |
|              |                 | Surr: 4-Bromofluorobenzene  | 97              | (70-130) %REC  | 10/13/10       |
| Client ID :  | <b>GMW-O-21</b> |                             |                 |                |                |
| Lab ID :     | CHH10101202-05A | TPH-E (Fuel Product)        | 8.0             | 0.50 mg/L      | 10/14/10 12:50 |
| Date Sampled | 10/08/10 07:36  | Surr: Nonane                | 0 S51           | (57-147) %REC  | 10/14/10 12:50 |
|              |                 | TPH-P (GRO)                 | 66              | 20 mg/L        | 10/13/10       |
|              |                 | Surr: 1,2-Dichloroethane-d4 | 100             | (70-130) %REC  | 10/13/10       |
|              |                 | Surr: Toluene-d8            | 100             | (70-130) %REC  | 10/13/10       |
|              |                 | Surr: 4-Bromofluorobenzene  | 101             | (70-130) %REC  | 10/13/10       |
| Client ID :  | <b>WCW-3</b>    |                             |                 |                |                |
| Lab ID :     | CHH10101202-06A | TPH-E (Fuel Product)        | ND              | 0.10 mg/L      | 10/14/10 12:50 |
| Date Sampled | 10/08/10 11:05  | Surr: Nonane                | 84              | (57-147) %REC  | 10/14/10 12:50 |
|              |                 | TPH-P (GRO)                 | ND              | 0.050 mg/L     | 10/13/10       |
|              |                 | Surr: 1,2-Dichloroethane-d4 | 94              | (70-130) %REC  | 10/13/10       |
|              |                 | Surr: Toluene-d8            | 104             | (70-130) %REC  | 10/13/10       |
|              |                 | Surr: 4-Bromofluorobenzene  | 100             | (70-130) %REC  | 10/13/10       |
| Client ID :  | <b>MW-O-1</b>   |                             |                 |                |                |
| Lab ID :     | CHH10101202-07A | TPH-E (Fuel Product)        | 30 *            | 0.50 mg/L      | 10/14/10 12:50 |
| Date Sampled | 10/08/10 10:29  | Surr: Nonane                | 0 S51           | (57-147) %REC  | 10/14/10 12:50 |
|              |                 | TPH-P (GRO)                 | 32              | 5.0 mg/L       | 10/13/10       |
|              |                 | Surr: 1,2-Dichloroethane-d4 | 100             | (70-130) %REC  | 10/13/10       |
|              |                 | Surr: Toluene-d8            | 97              | (70-130) %REC  | 10/13/10       |
|              |                 | Surr: 4-Bromofluorobenzene  | 96              | (70-130) %REC  | 10/13/10       |



# Alpha Analytical, Inc.

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|                             |                 |                             |     |               |                |                |
|-----------------------------|-----------------|-----------------------------|-----|---------------|----------------|----------------|
| <b>Client ID : EB-9</b>     |                 |                             |     |               |                |                |
| Lab ID :                    | CHH10101202-08A | TPH-E (Fuel Product)        | ND  | 0.10 mg/L     | 10/14/10 12:50 | 10/14/10       |
| Date Sampled                | 10/08/10 14:00  | Surr: Nonane                | 86  | (57-147) %REC | 10/14/10 12:50 | 10/14/10       |
|                             |                 | TPH-P (GRO)                 | ND  | 0.050 mg/L    | 10/13/10       | 10/13/10       |
|                             |                 | Surr: 1,2-Dichloroethane-d4 | 98  | (70-130) %REC | 10/13/10       | 10/13/10       |
|                             |                 | Surr: Toluene-d8            | 105 | (70-130) %REC | 10/13/10       | 10/13/10       |
|                             |                 | Surr: 4-Bromofluorobenzene  | 99  | (70-130) %REC | 10/13/10       | 10/13/10       |
| <b>Client ID : EB-10</b>    |                 |                             |     |               |                |                |
| Lab ID :                    | CHH10101202-09A | TPH-E (Fuel Product)        | ND  | 0.10 mg/L     | 10/14/10 12:50 | 10/14/10       |
| Date Sampled                | 10/08/10 14:10  | Surr: Nonane                | 94  | (57-147) %REC | 10/14/10 12:50 | 10/14/10       |
|                             |                 | TPH-P (GRO)                 | ND  | 0.050 mg/L    | 10/13/10       | 10/13/10       |
|                             |                 | Surr: 1,2-Dichloroethane-d4 | 99  | (70-130) %REC | 10/13/10       | 10/13/10       |
|                             |                 | Surr: Toluene-d8            | 104 | (70-130) %REC | 10/13/10       | 10/13/10       |
|                             |                 | Surr: 4-Bromofluorobenzene  | 101 | (70-130) %REC | 10/13/10       | 10/13/10       |
| <b>Client ID : GMW-10</b>   |                 |                             |     |               |                |                |
| Lab ID :                    | CHH10101202-10A | TPH-E (Fuel Product)        | 36  | **            | 0.50 mg/L      | 10/14/10 12:50 |
| Date Sampled                | 10/08/10 10:13  | Surr: Nonane                | 0   | S50           | (57-147) %REC  | 10/14/10 12:50 |
|                             |                 | TPH-P (GRO)                 | 4.8 |               | 0.50 mg/L      | 10/13/10       |
|                             |                 | Surr: 1,2-Dichloroethane-d4 | 98  |               | (70-130) %REC  | 10/13/10       |
|                             |                 | Surr: Toluene-d8            | 98  |               | (70-130) %REC  | 10/13/10       |
|                             |                 | Surr: 4-Bromofluorobenzene  | 99  |               | (70-130) %REC  | 10/13/10       |
| <b>Client ID : MW-SF-6</b>  |                 |                             |     |               |                |                |
| Lab ID :                    | CHH10101202-11A | TPH-E (Fuel Product)        | 9.2 |               | 0.50 mg/L      | 10/14/10 12:50 |
| Date Sampled                | 10/08/10 08:58  | Surr: Nonane                | 0   | S51           | (57-147) %REC  | 10/14/10 12:50 |
|                             |                 | TPH-P (GRO)                 | 59  |               | 20 mg/L        | 10/13/10       |
|                             |                 | Surr: 1,2-Dichloroethane-d4 | 100 |               | (70-130) %REC  | 10/13/10       |
|                             |                 | Surr: Toluene-d8            | 99  |               | (70-130) %REC  | 10/13/10       |
|                             |                 | Surr: 4-Bromofluorobenzene  | 100 |               | (70-130) %REC  | 10/13/10       |
| <b>Client ID : WCW-13</b>   |                 |                             |     |               |                |                |
| Lab ID :                    | CHH10101202-12A | TPH-E (Fuel Product)        | ND  |               | 0.10 mg/L      | 10/14/10 12:50 |
| Date Sampled                | 10/08/10 11:02  | Surr: Nonane                | 89  |               | (57-147) %REC  | 10/14/10 12:50 |
|                             |                 | TPH-P (GRO)                 | ND  |               | 0.050 mg/L     | 10/13/10       |
|                             |                 | Surr: 1,2-Dichloroethane-d4 | 102 |               | (70-130) %REC  | 10/13/10       |
|                             |                 | Surr: Toluene-d8            | 105 |               | (70-130) %REC  | 10/13/10       |
|                             |                 | Surr: 4-Bromofluorobenzene  | 99  |               | (70-130) %REC  | 10/13/10       |
| <b>Client ID : GWR-3</b>    |                 |                             |     |               |                |                |
| Lab ID :                    | CHH10101202-13A | TPH-E (Fuel Product)        | 29  | *             | 0.50 mg/L      | 10/14/10 12:50 |
| Date Sampled                | 10/08/10 08:20  | Surr: Nonane                | 0   | S50           | (57-147) %REC  | 10/14/10 12:50 |
|                             |                 | TPH-P (GRO)                 | 21  |               | 20 mg/L        | 10/13/10       |
|                             |                 | Surr: 1,2-Dichloroethane-d4 | 100 |               | (70-130) %REC  | 10/13/10       |
|                             |                 | Surr: Toluene-d8            | 103 |               | (70-130) %REC  | 10/13/10       |
|                             |                 | Surr: 4-Bromofluorobenzene  | 99  |               | (70-130) %REC  | 10/13/10       |
| <b>Client ID : MW-SF-14</b> |                 |                             |     |               |                |                |
| Lab ID :                    | CHH10101202-14A | TPH-E (Fuel Product)        | 9.3 |               | 0.50 mg/L      | 10/14/10 12:50 |
| Date Sampled                | 10/08/10 11:36  | Surr: Nonane                | 0   | S51           | (57-147) %REC  | 10/14/10 12:50 |
|                             |                 | TPH-P (GRO)                 | 30  |               | 20 mg/L        | 10/13/10       |
|                             |                 | Surr: 1,2-Dichloroethane-d4 | 100 |               | (70-130) %REC  | 10/13/10       |
|                             |                 | Surr: Toluene-d8            | 99  |               | (70-130) %REC  | 10/13/10       |
|                             |                 | Surr: 4-Bromofluorobenzene  | 101 |               | (70-130) %REC  | 10/13/10       |
| <b>Client ID : DUP-7</b>    |                 |                             |     |               |                |                |
| Lab ID :                    | CHH10101202-15A | TPH-E (Fuel Product)        | 10  |               | 0.50 mg/L      | 10/14/10 12:50 |
| Date Sampled                | 10/08/10 00:00  | Surr: Nonane                | 0   | S51           | (57-147) %REC  | 10/14/10 12:50 |
|                             |                 | TPH-P (GRO)                 | 30  |               | 20 mg/L        | 10/13/10       |
|                             |                 | Surr: 1,2-Dichloroethane-d4 | 99  |               | (70-130) %REC  | 10/13/10       |
|                             |                 | Surr: Toluene-d8            | 99  |               | (70-130) %REC  | 10/13/10       |
|                             |                 | Surr: 4-Bromofluorobenzene  | 99  |               | (70-130) %REC  | 10/13/10       |





# Alpha Analytical, Inc.

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\*\*Note: Reported TPH-E (Fuel Product) may contain undifferentiated diesel range hydrocarbons.

\*Note: Reported TPH-E (Fuel Product) is composed primarily of diesel range hydrocarbons.

Gasoline Range Organics (GRO) C4-C13

S50 = The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The laboratory control sample was acceptable.

S51 = Surrogate recovery could not be determined due to the presence of co-eluting hydrocarbons.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

10/19/10

**Report Date**



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
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## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101202-01A  
Client I.D. Number: TB-5

Sampled: 10/08/10 07:00  
Received: 10/12/10  
Extracted: 10/13/10  
Analyzed: 10/13/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 2.0 µg/L        | 46 Ethylbenzene                       | ND            | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 0.50 µg/L       | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 2.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 10 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 2.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 10 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 2.5 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 50 µg/L         | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 10 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 5.0 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 0.50 µg/L       | 68 1,2,4-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 99            | (70-130) %REC   |
| 28 Benzene                           | ND            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 104           | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 100           | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 0.50 µg/L       |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 0.50 µg/L       |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 5.0 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

ND = Not Detected

*Roger Scholl*

*Randy Gardner*

*Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

*[Signature]*  
10/14/10

Report Date



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## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101202-02A  
Client I.D. Number: GMW-25

Sampled: 10/08/10 08:08  
Received: 10/12/10  
Extracted: 10/13/10  
Analyzed: 10/13/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 100 µg/L        | 45 Chlorobenzene                      | ND            | 100 µg/L        |
| 2 Chloromethane                      | ND            | 400 µg/L        | 46 Ethylbenzene                       | 70            | 50 µg/L         |
| 3 Vinyl chloride                     | ND            | 100 µg/L        | 47 m,p-Xylene                         | ND            | 50 µg/L         |
| 4 Chloroethane                       | ND            | 100 µg/L        | 48 Bromoform                          | ND            | 100 µg/L        |
| 5 Bromomethane                       | ND            | 400 µg/L        | 49 Styrene                            | ND            | 100 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 100 µg/L        | 50 o-Xylene                           | ND            | 50 µg/L         |
| 7 Acetone                            | ND            | 2,000 µg/L      | 51 1,1,2,2-Tetrachloroethane          | ND            | 100 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 100 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 400 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 1,000 µg/L      | 53 Isopropylbenzene                   | ND            | 100 µg/L        |
| 10 Dichloromethane                   | ND            | 400 µg/L        | 54 Bromobenzene                       | ND            | 100 µg/L        |
| 11 Freon-113                         | ND            | 100 µg/L        | 55 n-Propylbenzene                    | ND            | 100 µg/L        |
| 12 Carbon disulfide                  | ND            | 500 µg/L        | 56 4-Chlorotoluene                    | ND            | 100 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 100 µg/L        | 57 2-Chlorotoluene                    | ND            | 100 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | 92            | 50 µg/L         | 58 1,3,5-Trimethylbenzene             | ND            | 100 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 100 µg/L        | 59 tert-Butylbenzene                  | ND            | 100 µg/L        |
| 16 Vinyl acetate                     | ND            | 10,000 µg/L     | 60 1,2,4-Trimethylbenzene             | ND            | 100 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 2,000 µg/L      | 61 sec-Butylbenzene                   | ND            | 100 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 100 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 100 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 100 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 100 µg/L        |
| 20 Bromochloromethane                | ND            | 100 µg/L        | 64 4-Isopropyltoluene                 | ND            | 100 µg/L        |
| 21 Chloroform                        | ND            | 100 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 100 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 100 µg/L        | 66 n-Butylbenzene                     | ND            | 100 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 100 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 600 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 100 µg/L        | 68 1,2,4-Trichlorobenzene             | ND            | 400 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 100 µg/L        | 69 Naphthalene                        | ND            | 500 µg/L        |
| 26 1,1-Dichloropropene               | ND            | 100 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 400 µg/L        |
| 27 Carbon tetrachloride              | ND            | 100 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 100           | (70-130) %REC   |
| 28 Benzene                           | 6,900         | 50 µg/L         | 72 Surr: Toluene-d8                   | 100           | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 100 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 98            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 100 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 100 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 100 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 100 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 500 µg/L        |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 100 µg/L        |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 100 µg/L        |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 100 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 50 µg/L         |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 100 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 1,000 µg/L      |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 100 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 200 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 100 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 100 µg/L        |                                       |               |                 |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

10/14/10

Report Date



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101202-03A  
Client I.D. Number: MW-SF-5

Sampled: 10/08/10 08:47  
Received: 10/12/10  
Extracted: 10/13/10  
Analyzed: 10/13/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 2.0 µg/L        | 45 Chlorobenzene                      | ND            | 2.0 µg/L        |
| 2 Chloromethane                      | ND            | 8.0 µg/L        | 46 Ethylbenzene                       | ND            | 1.0 µg/L        |
| 3 Vinyl chloride                     | ND            | 2.0 µg/L        | 47 m,p-Xylene                         | ND            | 1.0 µg/L        |
| 4 Chloroethane                       | ND            | 2.0 µg/L        | 48 Bromoform                          | ND            | 2.0 µg/L        |
| 5 Bromomethane                       | ND            | 8.0 µg/L        | 49 Styrene                            | ND            | 2.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 1.0 µg/L        |
| 7 Acetone                            | ND            | 40 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 2.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 2.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 8.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | 180           | 20 µg/L         | 53 Isopropylbenzene                   | ND            | 2.0 µg/L        |
| 10 Dichloromethane                   | ND            | 8.0 µg/L        | 54 Bromobenzene                       | ND            | 2.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 2.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 10 µg/L         | 56 4-Chlorotoluene                    | ND            | 2.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 2.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 2.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | 400           | 1.0 µg/L        | 58 1,3,5-Trimethylbenzene             | ND            | 2.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 2.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 2.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 200 µg/L        | 60 1,2,4-Trimethylbenzene             | ND            | 2.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 40 µg/L         | 61 sec-Butylbenzene                   | ND            | 2.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | 18            | 2.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 2.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 2.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 2.0 µg/L        |
| 20 Bromochloromethane                | ND            | 2.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 2.0 µg/L        |
| 21 Chloroform                        | ND            | 2.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 2.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 2.0 µg/L        | 66 n-Butylbenzene                     | ND            | 2.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 2.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 12 µg/L         |
| 24 1,2-Dichloroethane                | ND            | 2.0 µg/L        | 68 1,2,4-Trichlorobenzene             | ND            | 8.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 2.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 2.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 8.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 2.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 100           | (70-130) %REC   |
| 28 Benzene                           | 110           | 1.0 µg/L        | 72 Surr: Toluene-d8                   | 100           | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 2.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 98            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 2.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 2.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 2.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 2.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 2.0 µg/L        |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 2.0 µg/L        |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 2.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | 1.1           | 1.0 µg/L        |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 2.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 20 µg/L         |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 2.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 4.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 2.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 2.0 µg/L        |                                       |               |                 |

Reporting Limits were increased due to sample foaming.

ND = Not Detected

*Roger Scholl*

*Randy Gardner*

*Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

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*[Signature]*

10/14/10

Report Date



# Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101202-04A  
Client I.D. Number: GMW-O-23

Sampled: 10/08/10 09:49  
Received: 10/12/10  
Extracted: 10/13/10  
Analyzed: 10/13/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 200 µg/L        | 45 Chlorobenzene                      | ND            | 200 µg/L        |
| 2 Chloromethane                      | ND            | 800 µg/L        | 46 Ethylbenzene                       | 1,800         | 100 µg/L        |
| 3 Vinyl chloride                     | ND            | 200 µg/L        | 47 m,p-Xylene                         | 8,100         | 100 µg/L        |
| 4 Chloroethane                       | ND            | 200 µg/L        | 48 Bromoform                          | ND            | 200 µg/L        |
| 5 Bromomethane                       | ND            | 800 µg/L        | 49 Styrene                            | ND            | 200 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 200 µg/L        | 50 o-Xylene                           | 3,800         | 100 µg/L        |
| 7 Acetone                            | 4,000         | µg/L            | 51 1,1,2,2-Tetrachloroethane          | ND            | 200 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 200 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 800 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 2,000 µg/L      | 53 Isopropylbenzene                   | ND            | 200 µg/L        |
| 10 Dichloromethane                   | ND            | 800 µg/L        | 54 Bromobenzene                       | ND            | 200 µg/L        |
| 11 Freon-113                         | ND            | 200 µg/L        | 55 n-Propylbenzene                    | 220           | 200 µg/L        |
| 12 Carbon disulfide                  | ND            | 1,000 µg/L      | 56 4-Chlorotoluene                    | ND            | 200 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 200 µg/L        | 57 2-Chlorotoluene                    | ND            | 200 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | 2,600         | 100 µg/L        | 58 1,3,5-Trimethylbenzene             | 700           | 200 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 200 µg/L        | 59 tert-Butylbenzene                  | ND            | 200 µg/L        |
| 16 Vinyl acetate                     | ND            | 20,000 µg/L     | 60 1,2,4-Trimethylbenzene             | 2,300         | 200 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 4,000 µg/L      | 61 sec-Butylbenzene                   | ND            | 200 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 200 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 200 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 200 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 200 µg/L        |
| 20 Bromochloromethane                | ND            | 200 µg/L        | 64 4-Isopropyltoluene                 | ND            | 200 µg/L        |
| 21 Chloroform                        | ND            | 200 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 200 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 200 µg/L        | 66 n-Butylbenzene                     | ND            | 200 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 200 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 1,200 µg/L      |
| 24 1,2-Dichloroethane                | ND            | 200 µg/L        | 68 1,2,4-Trichlorobenzene             | ND            | 800 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 200 µg/L        | 69 Naphthalene                        | 1,100         | 1,000 µg/L      |
| 26 1,1-Dichloropropene               | ND            | 200 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 800 µg/L        |
| 27 Carbon tetrachloride              | ND            | 200 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 101           | (70-130) %REC   |
| 28 Benzene                           | 22,000        | 100 µg/L        | 72 Surr: Toluene-d8                   | 98            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 200 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 97            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 200 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 200 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 200 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 200 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 1,000 µg/L      |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 200 µg/L        |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 200 µg/L        |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 200 µg/L        |                                       |               |                 |
| 38 Toluene                           | 21,000        | 100 µg/L        |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 200 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 2,000 µg/L      |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 200 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 400 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 200 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 200 µg/L        |                                       |               |                 |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

*Roger Scholl*

*Randy Gardner*

*Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer  
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*PS*

10/14/10

Report Date

Page 1 of 1



# Alpha Analytical, Inc.

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## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101202-05A  
Client I.D. Number: GMW-O-21

Sampled: 10/08/10 07:36  
Received: 10/12/10  
Extracted: 10/13/10  
Analyzed: 10/13/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 200 µg/L        | 45 Chlorobenzene                      | ND            | 200 µg/L        |
| 2 Chloromethane                      | ND            | 800 µg/L        | 46 Ethylbenzene                       | 1,200         | 100 µg/L        |
| 3 Vinyl chloride                     | ND            | 200 µg/L        | 47 m,p-Xylene                         | 3,800         | 100 µg/L        |
| 4 Chloroethane                       | ND            | 200 µg/L        | 48 Bromoform                          | ND            | 200 µg/L        |
| 5 Bromomethane                       | ND            | 800 µg/L        | 49 Styrene                            | ND            | 200 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 200 µg/L        | 50 o-Xylene                           | 1,700         | 100 µg/L        |
| 7 Acetone                            | ND            | 4,000 µg/L      | 51 1,1,2,2-Tetrachloroethane          | ND            | 200 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 200 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 800 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 2,000 µg/L      | 53 Isopropylbenzene                   | ND            | 200 µg/L        |
| 10 Dichloromethane                   | ND            | 800 µg/L        | 54 Bromobenzene                       | ND            | 200 µg/L        |
| 11 Freon-113                         | ND            | 200 µg/L        | 55 n-Propylbenzene                    | ND            | 200 µg/L        |
| 12 Carbon disulfide                  | ND            | 1,000 µg/L      | 56 4-Chlorotoluene                    | ND            | 200 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 200 µg/L        | 57 2-Chlorotoluene                    | ND            | 200 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 100 µg/L        | 58 1,3,5-Trimethylbenzene             | 250           | 200 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 200 µg/L        | 59 tert-Butylbenzene                  | ND            | 200 µg/L        |
| 16 Vinyl acetate                     | ND            | 20,000 µg/L     | 60 1,2,4-Trimethylbenzene             | 850           | 200 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 4,000 µg/L      | 61 sec-Butylbenzene                   | ND            | 200 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 200 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 200 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 200 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 200 µg/L        |
| 20 Bromochloromethane                | ND            | 200 µg/L        | 64 4-Isopropyltoluene                 | ND            | 200 µg/L        |
| 21 Chloroform                        | ND            | 200 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 200 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 200 µg/L        | 66 n-Butylbenzene                     | ND            | 200 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 200 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 1,200 µg/L      |
| 24 1,2-Dichloroethane                | ND            | 200 µg/L        | 68 1,2,4-Trichlorobenzene             | ND            | 800 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 200 µg/L        | 69 Naphthalene                        | ND            | 1,000 µg/L      |
| 26 1,1-Dichloropropene               | ND            | 200 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 800 µg/L        |
| 27 Carbon tetrachloride              | ND            | 200 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 100           | (70-130) %REC   |
| 28 Benzene                           | 19,000        | 100 µg/L        | 72 Surr: Toluene-d8                   | 100           | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 200 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 101           | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 200 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 200 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 200 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 200 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 1,000 µg/L      |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 200 µg/L        |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 200 µg/L        |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 200 µg/L        |                                       |               |                 |
| 38 Toluene                           | 8,200         | 100 µg/L        |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 200 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 2,000 µg/L      |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 200 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 400 µg/L        |                                       |               |                 |
| 43 Tetrachloroethane                 | ND            | 200 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 200 µg/L        |                                       |               |                 |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
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10/14/10

Report Date



# Alpha Analytical, Inc.

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## ANALYTICAL REPORT

CH2M Hill  
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Los Angeles, CA 90017  
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Phone: (213) 228-8271  
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Alpha Analytical Number: CHH10101202-06A  
Client I.D. Number: WCW-3

Sampled: 10/08/10 11:05  
Received: 10/12/10  
Extracted: 10/13/10  
Analyzed: 10/13/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 2.0 µg/L        | 46 Ethylbenzene                       | ND            | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 0.50 µg/L       | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 2.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 10 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 2.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 10 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 2.5 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 Trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 50 µg/L         | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 10 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 5.0 µg/L        |
| 24 1,2-Dichloroethane                | 2.8           | 0.50 µg/L       | 68 1,2,4-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 94            | (70-130) %REC   |
| 28 Benzene                           | ND            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 104           | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 100           | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 0.50 µg/L       |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 0.50 µg/L       |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 5.0 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

10/14/10

Report Date

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.



# Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101202-07A  
Client I.D. Number: MW-O-1

Sampled: 10/08/10 10:29  
Received: 10/12/10  
Extracted: 10/13/10  
Analyzed: 10/13/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 50 µg/L         | 45 Chlorobenzene                      | ND            | 50 µg/L         |
| 2 Chloromethane                      | ND            | 200 µg/L        | 46 Ethylbenzene                       | 1,100         | 25 µg/L         |
| 3 Vinyl chloride                     | ND            | 50 µg/L         | 47 m,p-Xylene                         | 1,800         | 25 µg/L         |
| 4 Chloroethane                       | ND            | 50 µg/L         | 48 Bromoform                          | ND            | 50 µg/L         |
| 5 Bromomethane                       | ND            | 200 µg/L        | 49 Styrene                            | ND            | 50 µg/L         |
| 6 Trichlorofluoromethane             | ND            | 50 µg/L         | 50 o-Xylene                           | 2,200         | 25 µg/L         |
| 7 Acetone                            | ND            | 1,000 µg/L      | 51 1,1,2,2-Tetrachloroethane          | ND            | 50 µg/L         |
| 8 1,1-Dichloroethene                 | ND            | 50 µg/L         | 52 1,2,3-Trichloropropane             | ND            | 200 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 500 µg/L        | 53 Isopropylbenzene                   | ND            | 50 µg/L         |
| 10 Dichloromethane                   | ND            | 200 µg/L        | 54 Bromobenzene                       | ND            | 50 µg/L         |
| 11 Freon-113                         | ND            | 50 µg/L         | 55 n-Propylbenzene                    | 74            | 50 µg/L         |
| 12 Carbon disulfide                  | ND            | 250 µg/L        | 56 4-Chlorotoluene                    | ND            | 50 µg/L         |
| 13 trans-1,2-Dichloroethene          | ND            | 50 µg/L         | 57 2-Chlorotoluene                    | ND            | 50 µg/L         |
| 14 Methyl tert-butyl ether (MTBE)    | 60            | 25 µg/L         | 58 1,3,5-Trimethylbenzene             | 210           | 50 µg/L         |
| 15 1,1-Dichloroethane                | ND            | 50 µg/L         | 59 tert-Butylbenzene                  | ND            | 50 µg/L         |
| 16 Vinyl acetate                     | ND            | 5,000 µg/L      | 60 1,2,4-Trimethylbenzene             | 930           | 50 µg/L         |
| 17 2-Butanone (MEK)                  | ND            | 1,000 µg/L      | 61 sec-Butylbenzene                   | ND            | 50 µg/L         |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 50 µg/L         | 62 1,3-Dichlorobenzene                | ND            | 50 µg/L         |
| 19 cis-1,2-Dichloroethene            | ND            | 50 µg/L         | 63 1,4-Dichlorobenzene                | ND            | 50 µg/L         |
| 20 Bromochloromethane                | ND            | 50 µg/L         | 64 4-Isopropyltoluene                 | ND            | 50 µg/L         |
| 21 Chloroform                        | ND            | 50 µg/L         | 65 1,2-Dichlorobenzene                | ND            | 50 µg/L         |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 50 µg/L         | 66 n-Butylbenzene                     | ND            | 50 µg/L         |
| 23 2,2-Dichloropropane               | ND            | 50 µg/L         | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 300 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 50 µg/L         | 68 1,2,4-Trichlorobenzene             | ND            | 200 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 50 µg/L         | 69 Naphthalene                        | 370           | 250 µg/L        |
| 26 1,1-Dichloropropene               | ND            | 50 µg/L         | 70 1,2,3-Trichlorobenzene             | ND            | 200 µg/L        |
| 27 Carbon tetrachloride              | ND            | 50 µg/L         | 71 Surr: 1,2-Dichloroethane-d4        | 100           | (70-130) %REC   |
| 28 Benzene                           | 3,700         | 25 µg/L         | 72 Surr: Toluene-d8                   | 97            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 50 µg/L         | 73 Surr: 4-Bromofluorobenzene         | 96            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 50 µg/L         |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 50 µg/L         |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 50 µg/L         |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 50 µg/L         |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 250 µg/L        |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 50 µg/L         |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 50 µg/L         |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 50 µg/L         |                                       |               |                 |
| 38 Toluene                           | 1,700         | 25 µg/L         |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 50 µg/L         |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 500 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 50 µg/L         |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 100 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 50 µg/L         |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 50 µg/L         |                                       |               |                 |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer

Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

10/14/10

Report Date





# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101202-08A  
Client I.D. Number: EB-9

Sampled: 10/08/10 14:00  
Received: 10/12/10  
Extracted: 10/13/10  
Analyzed: 10/13/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 2.0 µg/L        | 46 Ethylbenzene                       | ND            | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 0.50 µg/L       | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 2.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 10 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 2.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 10 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 2.5 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 50 µg/L         | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 10 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 5.0 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 0.50 µg/L       | 68 1,2,4-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 98            | (70-130) %REC   |
| 28 Benzene                           | ND            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 105           | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 99            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 0.50 µg/L       |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 0.50 µg/L       |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 5.0 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

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10/14/10

Report Date



# Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101202-09A  
Client I.D. Number: EB-10

Sampled: 10/08/10 14:10  
Received: 10/12/10  
Extracted: 10/13/10  
Analyzed: 10/13/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 2.0 µg/L        | 46 Ethylbenzene                       | ND            | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 0.50 µg/L       | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 2.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 10 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 2.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 10 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 2.5 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 50 µg/L         | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 10 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 5.0 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 0.50 µg/L       | 68 1,2,4-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 99            | (70-130) %REC   |
| 28 Benzene                           | ND            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 104           | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 101           | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 0.50 µg/L       |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 0.50 µg/L       |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 5.0 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

10/14/10

Report Date



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101202-10A  
Client I.D. Number: GMW-10

Sampled: 10/08/10 10:13  
Received: 10/12/10  
Extracted: 10/13/10  
Analyzed: 10/13/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Reporting                            |               |          | Reporting                             |               |               |
|--------------------------------------|---------------|----------|---------------------------------------|---------------|---------------|
| Compound                             | Concentration | Limit    | Compound                              | Concentration | Limit         |
| 1 Dichlorodifluoromethane            | ND            | 5.0 µg/L | 45 Chlorobenzene                      | ND            | 5.0 µg/L      |
| 2 Chloromethane                      | ND            | 20 µg/L  | 46 Ethylbenzene                       | 87            | 2.5 µg/L      |
| 3 Vinyl chloride                     | ND            | 5.0 µg/L | 47 m,p-Xylene                         | 14            | 2.5 µg/L      |
| 4 Chloroethane                       | ND            | 5.0 µg/L | 48 Bromoform                          | ND            | 5.0 µg/L      |
| 5 Bromomethane                       | ND            | 20 µg/L  | 49 Styrene                            | ND            | 5.0 µg/L      |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L  | 50 o-Xylene                           | ND            | 2.5 µg/L      |
| 7 Acetone                            | ND            | 100 µg/L | 51 1,1,2,2-Tetrachloroethane          | ND            | 5.0 µg/L      |
| 8 1,1-Dichloroethene                 | ND            | 5.0 µg/L | 52 1,2,3-Trichloropropane             | ND            | 20 µg/L       |
| 9 Tertiary Butyl Alcohol (TBA)       | 120           | 50 µg/L  | 53 Isopropylbenzene                   | 27            | 5.0 µg/L      |
| 10 Dichloromethane                   | ND            | 20 µg/L  | 54 Bromobenzene                       | ND            | 5.0 µg/L      |
| 11 Freon-113                         | ND            | 10 µg/L  | 55 n-Propylbenzene                    | 34            | 5.0 µg/L      |
| 12 Carbon disulfide                  | ND            | 25 µg/L  | 56 4-Chlorotoluene                    | ND            | 5.0 µg/L      |
| 13 trans-1,2-Dichloroethene          | ND            | 5.0 µg/L | 57 2-Chlorotoluene                    | ND            | 5.0 µg/L      |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 2.5 µg/L | 58 1,3,5-Trimethylbenzene             | 15            | 5.0 µg/L      |
| 15 1,1-Dichloroethane                | ND            | 5.0 µg/L | 59 tert-Butylbenzene                  | ND            | 5.0 µg/L      |
| 16 Vinyl acetate                     | ND            | 500 µg/L | 60 1,2,4-Trimethylbenzene             | ND            | 5.0 µg/L      |
| 17 2-Butanone (MEK)                  | ND            | 100 µg/L | 61 sec-Butylbenzene                   | 9.4           | 5.0 µg/L      |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 5.0 µg/L | 62 1,3-Dichlorobenzene                | ND            | 5.0 µg/L      |
| 19 cis-1,2-Dichloroethene            | ND            | 5.0 µg/L | 63 1,4-Dichlorobenzene                | ND            | 5.0 µg/L      |
| 20 Bromochloromethane                | ND            | 5.0 µg/L | 64 4-Isopropyltoluene                 | ND            | 5.0 µg/L      |
| 21 Chloroform                        | ND            | 5.0 µg/L | 65 1,2-Dichlorobenzene                | ND            | 5.0 µg/L      |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 5.0 µg/L | 66 n-Butylbenzene                     | 6.9           | 5.0 µg/L      |
| 23 2,2-Dichloropropane               | ND            | 5.0 µg/L | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 30 µg/L       |
| 24 1,2-Dichloroethane                | ND            | 5.0 µg/L | 68 1,2,4-Trichlorobenzene             | ND            | 20 µg/L       |
| 25 1,1,1-Trichloroethane             | ND            | 5.0 µg/L | 69 Naphthalene                        | 71            | 25 µg/L       |
| 26 1,1-Dichloropropene               | ND            | 5.0 µg/L | 70 1,2,3-Trichlorobenzene             | ND            | 20 µg/L       |
| 27 Carbon tetrachloride              | ND            | 5.0 µg/L | 71 Surr: 1,2-Dichloroethane-d4        | 98            | (70-130) %REC |
| 28 Benzene                           | 360           | 2.5 µg/L | 72 Surr: Toluene-d8                   | 98            | (70-130) %REC |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 5.0 µg/L | 73 Surr: 4-Bromofluorobenzene         | 99            | (70-130) %REC |
| 30 Dibromomethane                    | ND            | 5.0 µg/L |                                       |               |               |
| 31 1,2-Dichloropropane               | ND            | 5.0 µg/L |                                       |               |               |
| 32 Trichloroethene                   | ND            | 5.0 µg/L |                                       |               |               |
| 33 Bromodichloromethane              | ND            | 5.0 µg/L |                                       |               |               |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 25 µg/L  |                                       |               |               |
| 35 cis-1,3-Dichloropropene           | ND            | 5.0 µg/L |                                       |               |               |
| 36 trans-1,3-Dichloropropene         | ND            | 5.0 µg/L |                                       |               |               |
| 37 1,1,2-Trichloroethane             | ND            | 5.0 µg/L |                                       |               |               |
| 38 Toluene                           | ND            | 2.5 µg/L |                                       |               |               |
| 39 1,3-Dichloropropane               | ND            | 5.0 µg/L |                                       |               |               |
| 40 2-Hexanone                        | ND            | 50 µg/L  |                                       |               |               |
| 41 Dibromochloromethane              | ND            | 5.0 µg/L |                                       |               |               |
| 42 1,2-Dibromoethane (EDB)           | ND            | 10 µg/L  |                                       |               |               |
| 43 Tetrachloroethene                 | ND            | 5.0 µg/L |                                       |               |               |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 5.0 µg/L |                                       |               |               |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

*Roger Scholl*

*Randy Gardner*

*Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

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*PS*

10/14/10

Report Date



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101202-11A  
Client I.D. Number: MW-SF-6

Sampled: 10/08/10 08:58  
Received: 10/12/10  
Extracted: 10/13/10  
Analyzed: 10/13/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 200 µg/L        | 45 Chlorobenzene                      | ND            | 200 µg/L        |
| 2 Chloromethane                      | ND            | 800 µg/L        | 46 Ethylbenzene                       | 940           | 100 µg/L        |
| 3 Vinyl chloride                     | ND            | 200 µg/L        | 47 m,p-Xylene                         | 4,300         | 100 µg/L        |
| 4 Chloroethane                       | ND            | 200 µg/L        | 48 Bromoform                          | ND            | 200 µg/L        |
| 5 Bromomethane                       | ND            | 800 µg/L        | 49 Styrene                            | ND            | 200 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 200 µg/L        | 50 o-Xylene                           | 2,100         | 100 µg/L        |
| 7 Acetone                            | 4,000         | µg/L            | 51 1,1,2,2-Tetrachloroethane          | ND            | 200 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 200 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 800 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 2,000 µg/L      | 53 Isopropylbenzene                   | ND            | 200 µg/L        |
| 10 Dichloromethane                   | ND            | 800 µg/L        | 54 Bromobenzene                       | ND            | 200 µg/L        |
| 11 Freon-113                         | ND            | 200 µg/L        | 55 n-Propylbenzene                    | ND            | 200 µg/L        |
| 12 Carbon disulfide                  | ND            | 1,000 µg/L      | 56 4-Chlorotoluene                    | ND            | 200 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 200 µg/L        | 57 2-Chlorotoluene                    | ND            | 200 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | 740           | 100 µg/L        | 58 1,3,5-Trimethylbenzene             | 230           | 200 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 200 µg/L        | 59 tert-Butylbenzene                  | ND            | 200 µg/L        |
| 16 Vinyl acetate                     | ND            | 20,000 µg/L     | 60 1,2,4-Trimethylbenzene             | 770           | 200 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 4,000 µg/L      | 61 sec-Butylbenzene                   | ND            | 200 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 200 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 200 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 200 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 200 µg/L        |
| 20 Bromochloromethane                | ND            | 200 µg/L        | 64 4-Isopropyltoluene                 | ND            | 200 µg/L        |
| 21 Chloroform                        | ND            | 200 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 200 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 200 µg/L        | 66 n-Butylbenzene                     | ND            | 200 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 200 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 1,200 µg/L      |
| 24 1,2-Dichloroethane                | ND            | 200 µg/L        | 68 1,2,4-Trichlorobenzene             | ND            | 800 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 200 µg/L        | 69 Naphthalene                        | ND            | 1,000 µg/L      |
| 26 1,1-Dichloropropene               | ND            | 200 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 800 µg/L        |
| 27 Carbon tetrachloride              | ND            | 200 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 100           | (70-130) %REC   |
| 28 Benzene                           | 15,000        | 100 µg/L        | 72 Surr: Toluene-d8                   | 99            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 200 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 100           | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 200 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 200 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 200 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 200 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 1,000 µg/L      |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 200 µg/L        |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 200 µg/L        |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 200 µg/L        |                                       |               |                 |
| 38 Toluene                           | 7,200         | 100 µg/L        |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 200 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 2,000 µg/L      |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 200 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 400 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 200 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 200 µg/L        |                                       |               |                 |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

*Roger Scholl*

*Randy Gardner*

*Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

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*PS*

10/14/10

Report Date



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101202-12A  
Client I.D. Number: WCW-13

Sampled: 10/08/10 11:02  
Received: 10/12/10  
Extracted: 10/13/10  
Analyzed: 10/13/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 1.0 µg/L        | 45 Chlorobenzene                      | ND            | 1.0 µg/L        |
| 2 Chloromethane                      | ND            | 2.0 µg/L        | 46 Ethylbenzene                       | ND            | 0.50 µg/L       |
| 3 Vinyl chloride                     | ND            | 0.50 µg/L       | 47 m,p-Xylene                         | ND            | 0.50 µg/L       |
| 4 Chloroethane                       | ND            | 1.0 µg/L        | 48 Bromoform                          | ND            | 1.0 µg/L        |
| 5 Bromomethane                       | ND            | 2.0 µg/L        | 49 Styrene                            | ND            | 1.0 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 10 µg/L         | 50 o-Xylene                           | ND            | 0.50 µg/L       |
| 7 Acetone                            | ND            | 10 µg/L         | 51 1,1,2,2-Tetrachloroethane          | ND            | 1.0 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 1.0 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 2.0 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 10 µg/L         | 53 Isopropylbenzene                   | ND            | 1.0 µg/L        |
| 10 Dichloromethane                   | ND            | 5.0 µg/L        | 54 Bromobenzene                       | ND            | 1.0 µg/L        |
| 11 Freon-113                         | ND            | 10 µg/L         | 55 n-Propylbenzene                    | ND            | 1.0 µg/L        |
| 12 Carbon disulfide                  | ND            | 2.5 µg/L        | 56 4-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 1.0 µg/L        | 57 2-Chlorotoluene                    | ND            | 1.0 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | ND            | 0.50 µg/L       | 58 1,3,5-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 1.0 µg/L        | 59 tert-Butylbenzene                  | ND            | 1.0 µg/L        |
| 16 Vinyl acetate                     | ND            | 50 µg/L         | 60 1,2,4-Trimethylbenzene             | ND            | 1.0 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 10 µg/L         | 61 sec-Butylbenzene                   | ND            | 1.0 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 1.0 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 1.0 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 20 Bromochloromethane                | ND            | 1.0 µg/L        | 64 4-Isopropyltoluene                 | ND            | 1.0 µg/L        |
| 21 Chloroform                        | ND            | 1.0 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 1.0 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 1.0 µg/L        | 66 n-Butylbenzene                     | ND            | 1.0 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 1.0 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 5.0 µg/L        |
| 24 1,2-Dichloroethane                | ND            | 0.50 µg/L       | 68 1,2,4-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 1.0 µg/L        | 69 Naphthalene                        | ND            | 10 µg/L         |
| 26 1,1-Dichloropropene               | ND            | 1.0 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 2.0 µg/L        |
| 27 Carbon tetrachloride              | ND            | 1.0 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 102           | (70-130) %REC   |
| 28 Benzene                           | ND            | 0.50 µg/L       | 72 Surr: Toluene-d8                   | 105           | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 1.0 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 99            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 1.0 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 1.0 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 10 µg/L         |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 0.50 µg/L       |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 0.50 µg/L       |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 1.0 µg/L        |                                       |               |                 |
| 38 Toluene                           | ND            | 0.50 µg/L       |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 1.0 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 5.0 µg/L        |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 1.0 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 2.0 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 1.0 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 1.0 µg/L        |                                       |               |                 |

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer  
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10/14/10

Report Date

Page 1 of 1



# Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101202-13A  
Client I.D. Number: GWR-3

Sampled: 10/08/10 08:20  
Received: 10/12/10  
Extracted: 10/13/10  
Analyzed: 10/13/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit              | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|------------------------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 200 µg/L                     | 45 Chlorobenzene                      | ND            | 200 µg/L        |
| 2 Chloromethane                      | ND            | 800 µg/L                     | 46 Ethylbenzene                       | ND            | 100 µg/L        |
| 3 Vinyl chloride                     | ND            | 200 µg/L                     | 47 m,p-Xylene                         | ND            | 100 µg/L        |
| 4 Chloroethane                       | ND            | 200 µg/L                     | 48 Bromoform                          | ND            | 200 µg/L        |
| 5 Bromomethane                       | ND            | 800 µg/L                     | 49 Styrene                            | ND            | 200 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 200 µg/L                     | 50 o-Xylene                           | ND            | 100 µg/L        |
| 7 Acetone                            | 4,000 µg/L    | 51 1,1,2,2-Tetrachloroethane | ND                                    | 200 µg/L      |                 |
| 8 1,1-Dichloroethene                 | ND            | 200 µg/L                     | 52 1,2,3-Trichloropropane             | ND            | 800 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | ND            | 2,000 µg/L                   | 53 Isopropylbenzene                   | ND            | 200 µg/L        |
| 10 Dichloromethane                   | ND            | 800 µg/L                     | 54 Bromobenzene                       | ND            | 200 µg/L        |
| 11 Freon-113                         | ND            | 200 µg/L                     | 55 n-Propylbenzene                    | ND            | 200 µg/L        |
| 12 Carbon disulfide                  | ND            | 1,000 µg/L                   | 56 4-Chlorotoluene                    | ND            | 200 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 200 µg/L                     | 57 2-Chlorotoluene                    | ND            | 200 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | 400           | 100 µg/L                     | 58 1,3,5-Trimethylbenzene             | ND            | 200 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 200 µg/L                     | 59 tert-Butylbenzene                  | ND            | 200 µg/L        |
| 16 Vinyl acetate                     | ND            | 20,000 µg/L                  | 60 1,2,4-Trimethylbenzene             | ND            | 200 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 4,000 µg/L                   | 61 sec-Butylbenzene                   | ND            | 200 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 200 µg/L                     | 62 1,3-Dichlorobenzene                | ND            | 200 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 200 µg/L                     | 63 1,4-Dichlorobenzene                | ND            | 200 µg/L        |
| 20 Bromochloromethane                | ND            | 200 µg/L                     | 64 4-Isopropyltoluene                 | ND            | 200 µg/L        |
| 21 Chloroform                        | ND            | 200 µg/L                     | 65 1,2-Dichlorobenzene                | ND            | 200 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 200 µg/L                     | 66 n-Butylbenzene                     | ND            | 200 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 200 µg/L                     | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 1,200 µg/L      |
| 24 1,2-Dichloroethane                | ND            | 200 µg/L                     | 68 1,2,4-Trichlorobenzene             | ND            | 800 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 200 µg/L                     | 69 Naphthalene                        | ND            | 1,000 µg/L      |
| 26 1,1-Dichloropropene               | ND            | 200 µg/L                     | 70 1,2,3-Trichlorobenzene             | ND            | 800 µg/L        |
| 27 Carbon tetrachloride              | ND            | 200 µg/L                     | 71 Surr: 1,2-Dichloroethane-d4        | 100           | (70-130) %REC   |
| 28 Benzene                           | 10,000        | 100 µg/L                     | 72 Surr: Toluene-d8                   | 103           | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 200 µg/L                     | 73 Surr: 4-Bromofluorobenzene         | 99            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 200 µg/L                     |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 200 µg/L                     |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 200 µg/L                     |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 200 µg/L                     |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 1,000 µg/L                   |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 200 µg/L                     |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 200 µg/L                     |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 200 µg/L                     |                                       |               |                 |
| 38 Toluene                           | ND            | 100 µg/L                     |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 200 µg/L                     |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 2,000 µg/L                   |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 200 µg/L                     |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 400 µg/L                     |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 200 µg/L                     |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 200 µg/L                     |                                       |               |                 |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

10/14/10

Report Date



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101202-14A  
Client I.D. Number: MW-SF-14

Sampled: 10/08/10 11:36  
Received: 10/12/10  
Extracted: 10/13/10  
Analyzed: 10/13/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 200 µg/L        | 45 Chlorobenzene                      | ND            | 200 µg/L        |
| 2 Chloromethane                      | ND            | 800 µg/L        | 46 Ethylbenzene                       | 900           | 100 µg/L        |
| 3 Vinyl chloride                     | ND            | 200 µg/L        | 47 m,p-Xylene                         | 1,400         | 100 µg/L        |
| 4 Chloroethane                       | ND            | 200 µg/L        | 48 Bromoform                          | ND            | 200 µg/L        |
| 5 Bromomethane                       | ND            | 800 µg/L        | 49 Styrene                            | ND            | 200 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 200 µg/L        | 50 o-Xylene                           | 1,300         | 100 µg/L        |
| 7 Acetone                            | 4,000         | µg/L            | 51 1,1,2,2-Tetrachloroethane          | ND            | 200 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 200 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 800 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | 2,300         | µg/L            | 53 Isopropylbenzene                   | ND            | 200 µg/L        |
| 10 Dichloromethane                   | ND            | 800 µg/L        | 54 Bromobenzene                       | ND            | 200 µg/L        |
| 11 Freon-113                         | ND            | 200 µg/L        | 55 n-Propylbenzene                    | ND            | 200 µg/L        |
| 12 Carbon disulfide                  | ND            | 1,000 µg/L      | 56 4-Chlorotoluene                    | ND            | 200 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 200 µg/L        | 57 2-Chlorotoluene                    | ND            | 200 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | 1,900         | µg/L            | 58 1,3,5-Trimethylbenzene             | ND            | 200 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 200 µg/L        | 59 tert-Butylbenzene                  | ND            | 200 µg/L        |
| 16 Vinyl acetate                     | ND            | 20,000 µg/L     | 60 1,2,4-Trimethylbenzene             | 470           | 200 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 4,000 µg/L      | 61 sec-Butylbenzene                   | ND            | 200 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 200 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 200 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 200 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 200 µg/L        |
| 20 Bromochloromethane                | ND            | 200 µg/L        | 64 4-Isopropyltoluene                 | ND            | 200 µg/L        |
| 21 Chloroform                        | ND            | 200 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 200 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 200 µg/L        | 66 n-Butylbenzene                     | ND            | 200 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 200 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 1,200 µg/L      |
| 24 1,2-Dichloroethane                | ND            | 200 µg/L        | 68 1,2,4-Trichlorobenzene             | ND            | 800 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 200 µg/L        | 69 Naphthalene                        | ND            | 1,000 µg/L      |
| 26 1,1-Dichloropropene               | ND            | 200 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 800 µg/L        |
| 27 Carbon tetrachloride              | ND            | 200 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 100           | (70-130) %REC   |
| 28 Benzene                           | 10,000        | µg/L            | 72 Surr: Toluene-d8                   | 99            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 200 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 101           | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 200 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 200 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 200 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 200 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 1,000 µg/L      |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 200 µg/L        |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 200 µg/L        |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 200 µg/L        |                                       |               |                 |
| 38 Toluene                           | 300           | µg/L            |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 200 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 2,000 µg/L      |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 200 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 400 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 200 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 200 µg/L        |                                       |               |                 |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

*Roger Scholl*

*Randy Gardner*

*Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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*PS*

10/14/10

Report Date

Page 1 of 1



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

## ANALYTICAL REPORT

CH2M Hill  
1000 Wilshire Boulevard  
Los Angeles, CA 90017  
Job: KMEP DFSP Norwalk

Attn: Daniel Jablonski  
Phone: (213) 228-8271  
Fax: (714) 424-2135

Alpha Analytical Number: CHH10101202-15A  
Client I.D. Number: DUP-7

Sampled: 10/08/10 00:00  
Received: 10/12/10  
Extracted: 10/13/10  
Analyzed: 10/13/10

### Volatile Organics by GC/MS EPA Method SW8260B

| Compound                             | Concentration | Reporting Limit | Compound                              | Concentration | Reporting Limit |
|--------------------------------------|---------------|-----------------|---------------------------------------|---------------|-----------------|
| 1 Dichlorodifluoromethane            | ND            | 200 µg/L        | 45 Chlorobenzene                      | ND            | 200 µg/L        |
| 2 Chloromethane                      | ND            | 800 µg/L        | 46 Ethylbenzene                       | 910           | 100 µg/L        |
| 3 Vinyl chloride                     | ND            | 200 µg/L        | 47 m,p-Xylene                         | 1,400         | 100 µg/L        |
| 4 Chloroethane                       | ND            | 200 µg/L        | 48 Bromoform                          | ND            | 200 µg/L        |
| 5 Bromomethane                       | ND            | 800 µg/L        | 49 Styrene                            | ND            | 200 µg/L        |
| 6 Trichlorofluoromethane             | ND            | 200 µg/L        | 50 o-Xylene                           | 1,300         | 100 µg/L        |
| 7 Acetone                            | 4,000         | µg/L            | 51 1,1,2,2-Tetrachloroethane          | ND            | 200 µg/L        |
| 8 1,1-Dichloroethene                 | ND            | 200 µg/L        | 52 1,2,3-Trichloropropane             | ND            | 800 µg/L        |
| 9 Tertiary Butyl Alcohol (TBA)       | 3,000         | µg/L            | 53 Isopropylbenzene                   | ND            | 200 µg/L        |
| 10 Dichloromethane                   | ND            | 800 µg/L        | 54 Bromobenzene                       | ND            | 200 µg/L        |
| 11 Freon-113                         | ND            | 200 µg/L        | 55 n-Propylbenzene                    | ND            | 200 µg/L        |
| 12 Carbon disulfide                  | ND            | 1,000 µg/L      | 56 4-Chlorotoluene                    | ND            | 200 µg/L        |
| 13 trans-1,2-Dichloroethene          | ND            | 200 µg/L        | 57 2-Chlorotoluene                    | ND            | 200 µg/L        |
| 14 Methyl tert-butyl ether (MTBE)    | 1,900         | µg/L            | 58 1,3,5-Trimethylbenzene             | ND            | 200 µg/L        |
| 15 1,1-Dichloroethane                | ND            | 200 µg/L        | 59 tert-Butylbenzene                  | ND            | 200 µg/L        |
| 16 Vinyl acetate                     | ND            | 20,000 µg/L     | 60 1,2,4-Trimethylbenzene             | 470           | 200 µg/L        |
| 17 2-Butanone (MEK)                  | ND            | 4,000 µg/L      | 61 sec-Butylbenzene                   | ND            | 200 µg/L        |
| 18 Di-isopropyl Ether (DIPE)         | ND            | 200 µg/L        | 62 1,3-Dichlorobenzene                | ND            | 200 µg/L        |
| 19 cis-1,2-Dichloroethene            | ND            | 200 µg/L        | 63 1,4-Dichlorobenzene                | ND            | 200 µg/L        |
| 20 Bromochloromethane                | ND            | 200 µg/L        | 64 4-Isopropyltoluene                 | ND            | 200 µg/L        |
| 21 Chloroform                        | ND            | 200 µg/L        | 65 1,2-Dichlorobenzene                | ND            | 200 µg/L        |
| 22 Ethyl Tertiary Butyl Ether (ETBE) | ND            | 200 µg/L        | 66 n-Butylbenzene                     | ND            | 200 µg/L        |
| 23 2,2-Dichloropropane               | ND            | 200 µg/L        | 67 1,2-Dibromo-3-chloropropane (DBCP) | ND            | 1,200 µg/L      |
| 24 1,2-Dichloroethane                | ND            | 200 µg/L        | 68 1,2,4-Trichlorobenzene             | ND            | 800 µg/L        |
| 25 1,1,1-Trichloroethane             | ND            | 200 µg/L        | 69 Naphthalene                        | ND            | 1,000 µg/L      |
| 26 1,1-Dichloropropene               | ND            | 200 µg/L        | 70 1,2,3-Trichlorobenzene             | ND            | 800 µg/L        |
| 27 Carbon tetrachloride              | ND            | 200 µg/L        | 71 Surr: 1,2-Dichloroethane-d4        | 99            | (70-130) %REC   |
| 28 Benzene                           | 9,800         | µg/L            | 72 Surr: Toluene-d8                   | 99            | (70-130) %REC   |
| 29 Tertiary Amyl Methyl Ether (TAME) | ND            | 200 µg/L        | 73 Surr: 4-Bromofluorobenzene         | 99            | (70-130) %REC   |
| 30 Dibromomethane                    | ND            | 200 µg/L        |                                       |               |                 |
| 31 1,2-Dichloropropane               | ND            | 200 µg/L        |                                       |               |                 |
| 32 Trichloroethene                   | ND            | 200 µg/L        |                                       |               |                 |
| 33 Bromodichloromethane              | ND            | 200 µg/L        |                                       |               |                 |
| 34 4-Methyl-2-pentanone (MIBK)       | ND            | 1,000 µg/L      |                                       |               |                 |
| 35 cis-1,3-Dichloropropene           | ND            | 200 µg/L        |                                       |               |                 |
| 36 trans-1,3-Dichloropropene         | ND            | 200 µg/L        |                                       |               |                 |
| 37 1,1,2-Trichloroethane             | ND            | 200 µg/L        |                                       |               |                 |
| 38 Toluene                           | 310           | µg/L            |                                       |               |                 |
| 39 1,3-Dichloropropane               | ND            | 200 µg/L        |                                       |               |                 |
| 40 2-Hexanone                        | ND            | 2,000 µg/L      |                                       |               |                 |
| 41 Dibromochloromethane              | ND            | 200 µg/L        |                                       |               |                 |
| 42 1,2-Dibromoethane (EDB)           | ND            | 400 µg/L        |                                       |               |                 |
| 43 Tetrachloroethene                 | ND            | 200 µg/L        |                                       |               |                 |
| 44 1,1,1,2-Tetrachloroethane         | ND            | 200 µg/L        |                                       |               |                 |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer  
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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10/14/10

Report Date





# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

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## VOC Sample Preservation Report

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**Work Order:** CHH10101202

**Job:** KMEP DFSP Norwalk

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| Alpha's Sample ID | Client's Sample ID | Matrix  | pH |
|-------------------|--------------------|---------|----|
| 10101202-01A      | TB-5               | Aqueous | 2  |
| 10101202-02A      | GMW-25             | Aqueous | 6  |
| 10101202-03A      | MW-SF-5            | Aqueous | 6  |
| 10101202-04A      | GMW-O-23           | Aqueous | 6  |
| 10101202-05A      | GMW-O-21           | Aqueous | 6  |
| 10101202-06A      | WCW-3              | Aqueous | 2  |
| 10101202-07A      | MW-O-1             | Aqueous | 5  |
| 10101202-08A      | EB-9               | Aqueous | 2  |
| 10101202-09A      | EB-10              | Aqueous | 2  |
| 10101202-10A      | GMW-10             | Aqueous | 4  |
| 10101202-11A      | MW-SF-6            | Aqueous | 6  |
| 10101202-12A      | WCW-13             | Aqueous | 2  |
| 10101202-13A      | GWR-3              | Aqueous | 6  |
| 10101202-14A      | MW-SF-14           | Aqueous | 6  |
| 10101202-15A      | DUP-7              | Aqueous | 6  |

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**10/14/10**  
**Report Date**

*Page 1 of 1*



# Alpha Analytical, Inc.

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## QC Summary Report

Date:  
20-Oct-10

Work Order:  
10101202

### Method Blank

File ID: 2A10131050.D

Sample ID: MBLK-25262

| Analyte              | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|----------------------|--------|-----|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-E (Fuel Product) | ND     | 0.1 |        |           |      |         |         |           |             |      |
| Surr: Nonane         | 0.155  |     | 0.15   |           | 103  | 57      | 147     |           |             |      |

Type: MBLK Test Code: EPA Method SW8015B / E

Batch ID: 25262

Analysis Date: 10/14/2010 15:14

Run ID: FID\_2\_101014A

Prep Date: 10/14/2010 12:50

### Laboratory Control Spike

File ID: 2A10131051.D

Sample ID: LCS-25262

| Analyte      | Result | PQL  | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|--------------|--------|------|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-E (DRO)  | 3.05   | 0.05 | 2.5    |           | 122  | 67      | 130     |           |             |      |
| Surr: Nonane | 0.167  |      | 0.15   |           | 111  | 57      | 147     |           |             |      |

Type: LCS Test Code: EPA Method SW8015B / E

Batch ID: 25262

Analysis Date: 10/14/2010 15:39

Run ID: FID\_2\_101014A

Prep Date: 10/14/2010 12:50

### Sample Matrix Spike

File ID: 2A10131084.D

Sample ID: 10101443-03AMS

| Analyte      | Result | PQL  | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|--------------|--------|------|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-E (DRO)  | 4.11   | 0.05 | 2.5    | 0.477     | 145  | 49      | 150     |           |             |      |
| Surr: Nonane | 0.155  |      | 0.15   |           | 103  | 57      | 147     |           |             |      |

Type: MS Test Code: EPA Method SW8015B / E

Batch ID: 25262

Analysis Date: 10/15/2010 10:58

Run ID: FID\_2\_101014A

Prep Date: 10/14/2010 12:50

### Sample Matrix Spike Duplicate

File ID: 2A10131085.D

Sample ID: 10101443-03AMSD

| Analyte      | Result | PQL  | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|--------------|--------|------|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-E (DRO)  | 3.5    | 0.05 | 2.5    | 0.477     | 121  | 49      | 150     | 4.112     | 16.2(38)    |      |
| Surr: Nonane | 0.163  |      | 0.15   |           | 109  | 57      | 147     |           |             |      |

Type: MSD Test Code: EPA Method SW8015B / E

Batch ID: 25262

Analysis Date: 10/15/2010 11:24

Run ID: FID\_2\_101014A

Prep Date: 10/14/2010 12:50

### Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



# Alpha Analytical, Inc.

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Date:  
20-Oct-10

## QC Summary Report

Work Order:  
10101202

### Method Blank

Type: **MBLK** Test Code: **EPA Method SW8015**

File ID: **10101307.D**

Batch ID: **MS15W1013B**

Analysis Date: **10/13/2010 10:54**

Sample ID: **MBLK MS15W1013B**

Units : **mg/L**

Run ID: **MSD\_15\_101013A**

Prep Date: **10/13/2010 10:54**

| Analyte                     | Result  | PQL  | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|-----------------------------|---------|------|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-P (GRO)                 | ND      | 0.05 |        |           |      |         |         |           |             |      |
| Surr: 1,2-Dichloroethane-d4 | 0.00957 |      | 0.01   |           | 96   | 70      | 130     |           |             |      |
| Surr: Toluene-d8            | 0.0105  |      | 0.01   |           | 105  | 70      | 130     |           |             |      |
| Surr: 4-Bromofluorobenzene  | 0.0101  |      | 0.01   |           | 101  | 70      | 130     |           |             |      |

### Laboratory Control Spike

Type: **LCS** Test Code: **EPA Method SW8015**

File ID: **10101304.D**

Batch ID: **MS15W1013B**

Analysis Date: **10/13/2010 09:46**

Sample ID: **GLCS MS15W1013B**

Units : **mg/L**

Run ID: **MSD\_15\_101013A**

Prep Date: **10/13/2010 09:46**

| Analyte                     | Result  | PQL  | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|-----------------------------|---------|------|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-P (GRO)                 | 0.412   | 0.05 | 0.4    |           | 103  | 70      | 130     |           |             |      |
| Surr: 1,2-Dichloroethane-d4 | 0.00979 |      | 0.01   |           | 98   | 70      | 130     |           |             |      |
| Surr: Toluene-d8            | 0.00982 |      | 0.01   |           | 98   | 70      | 130     |           |             |      |
| Surr: 4-Bromofluorobenzene  | 0.0101  |      | 0.01   |           | 101  | 70      | 130     |           |             |      |

### Sample Matrix Spike

Type: **MS** Test Code: **EPA Method SW8015**

File ID: **10101312.D**

Batch ID: **MS15W1013B**

Analysis Date: **10/13/2010 12:43**

Sample ID: **10101202-12AGS**

Units : **mg/L**

Run ID: **MSD\_15\_101013A**

Prep Date: **10/13/2010 12:43**

| Analyte                     | Result | PQL  | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|-----------------------------|--------|------|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-P (GRO)                 | 1.86   | 0.25 | 2      | 0         | 93   | 58      | 135     |           |             |      |
| Surr: 1,2-Dichloroethane-d4 | 0.0492 |      | 0.05   |           | 98   | 70      | 130     |           |             |      |
| Surr: Toluene-d8            | 0.0495 |      | 0.05   |           | 99   | 70      | 130     |           |             |      |
| Surr: 4-Bromofluorobenzene  | 0.0493 |      | 0.05   |           | 99   | 70      | 130     |           |             |      |

### Sample Matrix Spike Duplicate

Type: **MSD** Test Code: **EPA Method SW8015**

File ID: **10101313.D**

Batch ID: **MS15W1013B**

Analysis Date: **10/13/2010 13:05**

Sample ID: **10101202-12AGSD**

Units : **mg/L**

Run ID: **MSD\_15\_101013A**

Prep Date: **10/13/2010 13:05**

| Analyte                     | Result | PQL  | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|-----------------------------|--------|------|--------|-----------|------|---------|---------|-----------|-------------|------|
| TPH-P (GRO)                 | 1.92   | 0.25 | 2      | 0         | 96   | 58      | 135     | 1.861     | 2.9(20)     |      |
| Surr: 1,2-Dichloroethane-d4 | 0.0504 |      | 0.05   |           | 101  | 70      | 130     |           |             |      |
| Surr: Toluene-d8            | 0.0489 |      | 0.05   |           | 98   | 70      | 130     |           |             |      |
| Surr: 4-Bromofluorobenzene  | 0.049  |      | 0.05   |           | 98   | 70      | 130     |           |             |      |

### Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.





# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:  
14-Oct-10

## QC Summary Report

Work Order:  
10101202

|                                    |      |    |    |     |    |     |
|------------------------------------|------|----|----|-----|----|-----|
| n-Butylbenzene                     | ND   | 1  |    |     |    |     |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND   | 5  |    |     |    |     |
| 1,2,4-Trichlorobenzene             | ND   | 2  |    |     |    |     |
| Naphthalene                        | ND   | 10 |    |     |    |     |
| 1,2,3-Trichlorobenzene             | ND   | 2  |    |     |    |     |
| Surr: 1,2-Dichloroethane-d4        | 9.57 |    | 10 | 96  | 70 | 130 |
| Surr: Toluene-d8                   | 10.5 |    | 10 | 105 | 70 | 130 |
| Surr: 4-Bromofluorobenzene         | 10.1 |    | 10 | 101 | 70 | 130 |

### Laboratory Control Spike

Type **LCS**

Test Code: **EPA Method SW8260B**

File ID: **10101303.D**

Batch ID: **MS15W1013A**

Analysis Date: **10/13/2010 09:24**

Sample ID: **LCS MS15W1013A**

Units : **µg/L**

Run ID: **MSD\_15\_101013A**

Prep Date: **10/13/2010 09:24**

| Analyte                        | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|--------------------------------|--------|-----|--------|-----------|------|---------|---------|-----------|-------------|------|
| 1,1-Dichloroethene             | 10.9   | 1   | 10     |           | 109  | 80      | 120     |           |             |      |
| Methyl tert-butyl ether (MTBE) | 8.9    | 0.5 | 10     |           | 89   | 62      | 136     |           |             |      |
| Benzene                        | 10.8   | 0.5 | 10     |           | 108  | 70      | 130     |           |             |      |
| Trichloroethene                | 10.3   | 1   | 10     |           | 103  | 70      | 130     |           |             |      |
| Toluene                        | 10.3   | 0.5 | 10     |           | 103  | 80      | 120     |           |             |      |
| Chlorobenzene                  | 9.97   | 1   | 10     |           | 99.7 | 70      | 130     |           |             |      |
| Ethylbenzene                   | 10.8   | 0.5 | 10     |           | 108  | 80      | 120     |           |             |      |
| m,p-Xylene                     | 11     | 0.5 | 10     |           | 110  | 70      | 130     |           |             |      |
| o-Xylene                       | 10.9   | 0.5 | 10     |           | 109  | 70      | 130     |           |             |      |
| Surr: 1,2-Dichloroethane-d4    | 9.23   |     | 10     |           | 92   | 70      | 130     |           |             |      |
| Surr: Toluene-d8               | 9.97   |     | 10     |           | 99.7 | 70      | 130     |           |             |      |
| Surr: 4-Bromofluorobenzene     | 10.4   |     | 10     |           | 104  | 70      | 130     |           |             |      |

### Sample Matrix Spike

Type **MS**

Test Code: **EPA Method SW8260B**

File ID: **10101310.D**

Batch ID: **MS15W1013A**

Analysis Date: **10/13/2010 11:59**

Sample ID: **10101202-12AMS**

Units : **µg/L**

Run ID: **MSD\_15\_101013A**

Prep Date: **10/13/2010 11:59**

| Analyte                        | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|--------------------------------|--------|-----|--------|-----------|------|---------|---------|-----------|-------------|------|
| 1,1-Dichloroethene             | 46.7   | 2.5 | 50     | 0         | 93   | 60      | 130     |           |             |      |
| Methyl tert-butyl ether (MTBE) | 49.2   | 1.3 | 50     | 0         | 98   | 56      | 141     |           |             |      |
| Benzene                        | 48.6   | 1.3 | 50     | 0         | 97   | 67      | 130     |           |             |      |
| Trichloroethene                | 45.9   | 2.5 | 50     | 0         | 92   | 69      | 130     |           |             |      |
| Toluene                        | 45.3   | 1.3 | 50     | 0         | 91   | 66      | 130     |           |             |      |
| Chlorobenzene                  | 44.3   | 2.5 | 50     | 0         | 89   | 70      | 130     |           |             |      |
| Ethylbenzene                   | 47.1   | 1.3 | 50     | 0         | 94   | 68      | 130     |           |             |      |
| m,p-Xylene                     | 48.3   | 1.3 | 50     | 0         | 97   | 64      | 130     |           |             |      |
| o-Xylene                       | 48.1   | 1.3 | 50     | 0         | 96   | 70      | 130     |           |             |      |
| Surr: 1,2-Dichloroethane-d4    | 48.7   |     | 50     |           | 97   | 70      | 130     |           |             |      |
| Surr: Toluene-d8               | 48.1   |     | 50     |           | 96   | 70      | 130     |           |             |      |
| Surr: 4-Bromofluorobenzene     | 50.1   |     | 50     |           | 100  | 70      | 130     |           |             |      |

### Sample Matrix Spike Duplicate

Type **MSD**

Test Code: **EPA Method SW8260B**

File ID: **10101311.D**

Batch ID: **MS15W1013A**

Analysis Date: **10/13/2010 12:21**

Sample ID: **10101202-12AMSD**

Units : **µg/L**

Run ID: **MSD\_15\_101013A**

Prep Date: **10/13/2010 12:21**

| Analyte                        | Result | PQL | SpkVal | SpkRefVal | %REC | LCL(ME) | UCL(ME) | RPDRefVal | %RPD(Limit) | Qual |
|--------------------------------|--------|-----|--------|-----------|------|---------|---------|-----------|-------------|------|
| 1,1-Dichloroethene             | 47.8   | 2.5 | 50     | 0         | 96   | 60      | 130     | 46.7      | 2.4(20)     |      |
| Methyl tert-butyl ether (MTBE) | 50.3   | 1.3 | 50     | 0         | 101  | 56      | 141     | 49.16     | 2.2(20)     |      |
| Benzene                        | 48.2   | 1.3 | 50     | 0         | 96   | 67      | 130     | 48.6      | 0.8(20)     |      |
| Trichloroethene                | 46.2   | 2.5 | 50     | 0         | 92   | 69      | 130     | 45.92     | 0.6(20)     |      |
| Toluene                        | 46.1   | 1.3 | 50     | 0         | 92   | 66      | 130     | 45.29     | 1.8(20)     |      |
| Chlorobenzene                  | 45.2   | 2.5 | 50     | 0         | 90   | 70      | 130     | 44.26     | 2.2(20)     |      |
| Ethylbenzene                   | 48.3   | 1.3 | 50     | 0         | 97   | 68      | 130     | 47.05     | 2.7(20)     |      |
| m,p-Xylene                     | 49.5   | 1.3 | 50     | 0         | 99   | 64      | 130     | 48.28     | 2.5(20)     |      |
| o-Xylene                       | 49.2   | 1.3 | 50     | 0         | 98   | 70      | 130     | 48.14     | 2.2(20)     |      |
| Surr: 1,2-Dichloroethane-d4    | 48.6   |     | 50     |           | 97   | 70      | 130     |           |             |      |
| Surr: Toluene-d8               | 48.8   |     | 50     |           | 98   | 70      | 130     |           |             |      |
| Surr: 4-Bromofluorobenzene     | 50.8   |     | 50     |           | 102  | 70      | 130     |           |             |      |



# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778  
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

---

**Date:**

14-Oct-10

## QC Summary Report

**Work Order:**

10101202

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**Comments:**

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

**Billing Information :**

**CHAIN-OF-CUSTODY RECORD**

**Alpha Analytical, Inc.**

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778  
 TEL: (775) 355-1044 FAX: (775) 355-0406

| Report Attention | Phone Number     | EMail Address             |
|------------------|------------------|---------------------------|
| Daniel Jablonski | (213) 228-8271 x | daniel.jablonski@ch2m.com |
| Susan Clark      | (213) 228-8271 x | susan.clark@ch2m.com      |
| Vladimir Carino  | (213) 228-8271 x | vladimir.carino@ch2m.com  |

**Client:**

CH2M Hill  
 1000 Wilshire Boulevard  
 21st Floor  
 Los Angeles, CA 90017

**PO :**

Client's COC # : none  
 Job : KMEP DFSP Norwalk  
 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

**WorkOrder : CHHL10101202**

**Report Due By : 5:00 PM On : 20-Oct-2010**

**VOCs for samples -02A, -03A, -04A, -05A, -07A, -10A, -11A, -13A, -14A are Due: 10/14/10**  
 EDD Required : No  
 Sampled by : TR, HH  
 Cooler Temp 2 °C  
 Samples Received 12-Oct-2010  
 Date Printed 12-Oct-2010

**Requested Tests**

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date | No. of Bottles |     | TPHE_W | TPHP_W                         | VOC_W | Sample Remarks  |
|-----------------|------------------|--------|-----------------|----------------|-----|--------|--------------------------------|-------|---|
|                 |                  |        |                 | Alpha          | Sub |        |                                |       |   |
| CHH10101202-01A | TB-5             | AQ     | 10/08/10 07:00  | 2              | 0   | 6      | TPHE(0.10)<br>+Vmyl<br>acetate |       | (1) Reno Trip Blank 8/12/10<br>(1) Client provided trip blank |
| CHH10101202-02A | GMW-25           | AQ     | 10/08/10 08:08  | 8              | 0   | 6      | TPHE(0.10)<br>+Vmyl<br>acetate |       |   |
| CHH10101202-03A | MW-SF-5          | AQ     | 10/08/10 08:47  | 8              | 0   | 6      | TPHE(0.10)<br>+Vmyl<br>acetate |       |   |
| CHH10101202-04A | GMW-O-23         | AQ     | 10/08/10 09:49  | 8              | 0   | 6      | TPHE(0.10)<br>+Vmyl<br>acetate |       |   |
| CHH10101202-05A | GMW-O-21         | AQ     | 10/08/10 07:36  | 8              | 0   | 6      | TPHE(0.10)<br>+Vmyl<br>acetate |       |   |
| CHH10101202-06A | WCW-3            | AQ     | 10/08/10 11:05  | 7              | 0   | 6      | TPHE(0.10)<br>+Vmyl<br>acetate |       | 1 HCl voa received broken.                                    |
| CHH10101202-07A | MW-O-1           | AQ     | 10/08/10 10:29  | 8              | 0   | 6      | TPHE(0.10)<br>+Vmyl<br>acetate |       |   |
| CHH10101202-08A | EB-9             | AQ     | 10/08/10 14:00  | 8              | 0   | 6      | TPHE(0.10)<br>+Vmyl<br>acetate |       |   |

**Comments:**

Security seals intact. Frozen ice. Analysis: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Amended 10/12/10 @ 12:16: Per email from Cody Sharbrough changed sample ID for sample -10A. EA: Amended 10/12/10 @ 15:28: Per email from Daniel he needs the VOC analysis for samples -02A, -03A, -04A, -05A, -07A, -10A, -11A, -13A, and -14A on 48 Hour, Due 10/14/10. EA

**Signature**

*Elizabeth Adcox*

**Logged in by:**

*Elizabeth Adcox*

**Print Name**

Alpha Analytical, Inc.

**Date/Time**

10.12.10 1533

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.  
 Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

**Billing Information :**

**CHAIN-OF-CUSTODY RECORD**

**Alpha Analytical, Inc.**

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778  
 TEL: (775) 355-1044 FAX: (775) 355-0406

**Client:**

CH2M Hill  
 1000 Wilshire Boulevard  
 21st Floor  
 Los Angeles, CA 90017

**Report Attention**

**Phone Number**      **E-Mail Address**  
 Daniel Jablonski      (213) 228-8271 x      daniel.jablonski@ch2m.com  
 Susan Clark      (213) 228-8271 x      susan.clark@ch2m.com  
 Vladimir Carino      (213) 228-8271 x      vladimir.carino@ch2m.com

**WorkOrder : CHHL10101202**

**Report Due By : 5:00 PM On : 20-Oct-2010**

**PO :**

Client's COC # : none      Job : KMEP DFSP Norwalk

QC Level : S3      = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

EDD Required : No

Sampled by : TR, HH

Cooler Temp      2 °C  
 Samples Received      12-Oct-2010  
 Date Printed      12-Oct-2010

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date   | No. of Bottles Alpha | Sub | TAT | Requested Tests                 |                                 |                                 | Sample Remarks   |
|-----------------|------------------|--------|-------------------|----------------------|-----|-----|---------------------------------|---------------------------------|---------------------------------|--|
|                 |                  |        |                   |                      |     |     | TPHE_W                          | TPHP_W                          | VOC_W                           |  |
| CHH10101202-09A | EB-10            | AQ     | 10/08/10<br>14:10 | 8                    | 0   | 6   | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |  |
| CHH10101202-10A | GMW-10           | AQ     | 10/08/10<br>10:13 | 8                    | 0   | 6   | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate | All voas are labeled GMW-10 matched up by sample time and logged in per COC. |
| CHH10101202-11A | MW-SF-6          | AQ     | 10/08/10<br>08:58 | 8                    | 0   | 6   | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |  |
| CHH10101202-12A | WCW-13           | AQ     | 10/08/10<br>11:02 | 8                    | 0   | 6   | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |  |
| CHH10101202-13A | GWR-3            | AQ     | 10/08/10<br>08:20 | 8                    | 0   | 6   | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |  |
| CHH10101202-14A | MW-SF-14         | AQ     | 10/08/10<br>11:36 | 8                    | 0   | 6   | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |  |
| CHH10101202-15A | DUP-7            | AQ     | 10/08/10<br>00:00 | 8                    | 0   | 6   | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |  |

**Comments:** Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Amended 10/12/10 @ 12:16. Per email from Cody Sharbrough changed sample ID for sample -10A. EA : Amended 10/12/10 @ 15:28. Per email from Daniel he needs the VOC analysis for samples -02A, -03A, -04A, -05A, -07A, -10A, -11A, -13A, and -14A on 48 Hour. Due 10/14/10. EA

Signature: *Elizabeth Adcox*      Print Name: Elizabeth Adcox      Company: Alpha Analytical, Inc.      Date/Time: 10-12-10 1533

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other)      Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other



**Billing Information :**

**CHAIN-OF-CUSTODY RECORD**

**CA**

**AMENDED**  
Page 2 of 2

**Alpha Analytical, Inc.**

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778  
TEL: (775) 355-1044 FAX: (775) 355-0406

**WorkOrder : CHHL10101202**

**Report Due By : 5:00 PM On : 21-Oct-2010**

| Report Attention | Phone Number     | E Mail Address            |
|------------------|------------------|---------------------------|
| Daniel Jablonski | (213) 228-8271 x | daniel.jablonski@ch2m.com |
| Susan Clark      | (213) 228-8271 x | susan.clark@ch2m.com      |
| Vladimir Carino  | (213) 228-8271 x | vladimir.carino@ch2m.com  |

EDD Required : No

Sampled by : TR, HH

Cooler Temp **2 °C** Samples Received **12-Oct-2010** Date Printed **12-Oct-2010**

Client: CH2M Hill  
1000 Wilshire Boulevard  
21st Floor  
Los Angeles, CA 90017

PO :  
Client's COC # : none  
QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Job : KMEP DFSP Norwalk

**Requested Tests**

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date | No. of Bottles Alpha | Sub | TAT | TPHE_W                         | TPHP_W                         | VOC_W | Sample Remarks  |
|-----------------|------------------|--------|-----------------|----------------------|-----|-----|--------------------------------|--------------------------------|-------|---|
| CHH10101202-01A | TB-5             | AQ     | 10/08/10 07:00  | 2                    | 0   | 7   | TPHE(0.10)<br>+Vmyl<br>acetate |                                |       | (1) Reno Trip Blank 8/12/10<br>(1) Client provided trip blank |
| CHH10101202-02A | GMW-25           | AQ     | 10/08/10 08:08  | 8                    | 0   | 7   | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |       |   |
| CHH10101202-03A | MW-SF-5          | AQ     | 10/08/10 08:47  | 8                    | 0   | 7   | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |       |   |
| CHH10101202-04A | GMW-O-23         | AQ     | 10/08/10 09:49  | 8                    | 0   | 7   | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |       |   |
| CHH10101202-05A | GMW-O-21         | AQ     | 10/08/10 07:36  | 8                    | 0   | 7   | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |       |   |
| CHH10101202-06A | WCW-3            | AQ     | 10/08/10 11:05  | 7                    | 0   | 7   | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |       | 1 HCl vva received broken.                                    |
| CHH10101202-07A | MW-O-1           | AQ     | 10/08/10 10:29  | 8                    | 0   | 7   | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |       |   |
| CHH10101202-08A | EB-9             | AQ     | 10/08/10 14:00  | 8                    | 0   | 7   | TPHE(0.10)<br>+Vmyl<br>acetate | TPHE(0.10)<br>+Vmyl<br>acetate |       |   |

**Comments:** Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Amended 10/12/10 @ 12:16. Per email from Cody Sharbrough changed sample ID for sample -10A. EA.

Signature: *Elizabeth Adcox* Print Name: Elizabeth Adcox Company: Alpha Analytical, Inc. Date/Time: 10-12-10 12:18

**NOTE:** Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

**AMENDED**  
**CA**

**CHAIN-OF-CUSTODY RECORD**

**Alpha Analytical, Inc.**

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778  
TEL: (775) 355-1044 FAX: (775) 355-0406

**WorkOrder : CHHL10101202**

**Report Due By : 5:00 PM On : 21-Oct-2010**

| Report Attention | Phone Number     | E-Mail Address            |
|------------------|------------------|---------------------------|
| Daniel Jablonski | (213) 228-8271 x | daniel.jablonski@ch2m.com |
| Susan Clark      | (213) 228-8271 x | susan.clark@ch2m.com      |
| Vladimir Carino  | (213) 228-8271 x | vladimir.carino@ch2m.com  |

EDD Required : No

Sampled by : TR, HH

Cooler Temp 2 °C  
Samples Received 12-Oct-2010  
Date Printed 12-Oct-2010

Client: CH2M Hill  
1000 Wilshire Boulevard  
21st Floor  
Los Angeles, CA 90017

PO :  
Client's COC # : none  
Job : KMEP DFSP Norwalk  
QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date | No. of Bottles Alpha | Sub TAT | Requested Tests |                                 |                                 | Sample Remarks                  |  |
|-----------------|------------------|--------|-----------------|----------------------|---------|-----------------|---------------------------------|---------------------------------|---------------------------------|--|
|                 |                  |        |                 |                      |         | TPHE_W          | TPHP_W                          | VOC_W                           |                                 |  |
| CHH10101202-09A | EB-10            | AQ     | 10/08/10 14:10  | 8                    | 0       | 7               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHP(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |  |
| CHH10101202-10A | GMW-10           | AQ     | 10/08/10 10:13  | 8                    | 0       | 7               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHP(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate | All voas are labeled GMW-10 matched up by sample time and logged in per COC. |
| CHH10101202-11A | MW-SF-6          | AQ     | 10/08/10 08:58  | 8                    | 0       | 7               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHP(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |  |
| CHH10101202-12A | WCW-13           | AQ     | 10/08/10 11:02  | 8                    | 0       | 7               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHP(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |  |
| CHH10101202-13A | GWR-3            | AQ     | 10/08/10 08:20  | 8                    | 0       | 7               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHP(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |  |
| CHH10101202-14A | MW-SF-14         | AQ     | 10/08/10 11:36  | 8                    | 0       | 7               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHP(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |  |
| CHH10101202-15A | DUP-7            | AQ     | 10/08/10 00:00  | 8                    | 0       | 7               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHP(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |  |

Comments: Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Amended 10/12/10 @ 12:16. Per email from Cody Sharbrough changed sample ID for sample -10A. EA:

Logged in by: *Elizabeth Adcox* Signature: *Elizabeth Adcox* Print Name: Elizabeth Adcox Company: Alpha Analytical, Inc. Date/Time: 10.12.10 12.18

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

# CHAIN-OF-CUSTODY RECORD

# CA

## Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778  
 TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : CHHL10101202

Report Due By : 5:00 PM On : 21-Oct-2010

**Report Attention Phone Number EMail Address**

|                  |                |   |                           |
|------------------|----------------|---|---------------------------|
| Daniel Jablonski | (213) 228-8271 | x | daniel.jablonski@ch2m.com |
| Susan Clark      | (213) 228-8271 | x | susan.clark@ch2m.com      |
| Vladimir Carino  | (213) 228-8271 | x | vladimir.carino@ch2m.com  |

**Client:**  
 CH2M Hill  
 1000 Wilshire Boulevard  
 21st Floor  
 Los Angeles, CA 90017

EDD Required : No

Sampled by : TR, HH

Cooler Temp 2 °C  
 Samples Received 12-Oct-2010  
 Date Printed 12-Oct-2010

PO :  
 Client's COC # : none  
 Job : KMEP DFSP Norwalk  
 QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date | No. of Bottles |     | Requested Tests |                                 |       | Sample Remarks  |
|-----------------|------------------|--------|-----------------|----------------|-----|-----------------|---------------------------------|-------|---|
|                 |                  |        |                 | Alpha          | Sub | TPHE_W          | TPHP_W                          | VOC_W |   |
| CHH10101202-01A | TB-5             | AQ     | 10/08/10 07:00  | 2              | 0   | 7               | TPHE(0.10)<br>+Vinyl<br>acetate |       | (1) Reno Trip Blank 8/12/10<br>(1) Client provided trip blank |
| CHH10101202-02A | GMW-25           | AQ     | 10/08/10 08:08  | 8              | 0   | 7               | TPHE(0.10)<br>+Vinyl<br>acetate |       |   |
| CHH10101202-03A | MW-SF-5          | AQ     | 10/08/10 08:47  | 8              | 0   | 7               | TPHE(0.10)<br>+Vinyl<br>acetate |       |   |
| CHH10101202-04A | GMW-O-23         | AQ     | 10/08/10 09:49  | 8              | 0   | 7               | TPHE(0.10)<br>+Vinyl<br>acetate |       |   |
| CHH10101202-05A | GMW-O-21         | AQ     | 10/08/10 07:36  | 8              | 0   | 7               | TPHE(0.10)<br>+Vinyl<br>acetate |       |   |
| CHH10101202-06A | WCW-3            | AQ     | 10/08/10 11:05  | 7              | 0   | 7               | TPHE(0.10)<br>+Vinyl<br>acetate |       | 1 HCl voa received broken.                                    |
| CHH10101202-07A | MW-O-1           | AQ     | 10/08/10 10:29  | 8              | 0   | 7               | TPHE(0.10)<br>+Vinyl<br>acetate |       |   |
| CHH10101202-08A | EB-9             | AQ     | 10/08/10 14:00  | 8              | 0   | 7               | TPHE(0.10)<br>+Vinyl<br>acetate |       |   |

Comments: Security seals intact. Frozen ice. Analysis: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values.:

Signature

*Elizabeth Adcox*

Print Name

Elizabeth Adcox

Company

Alpha Analytical, Inc.

Date/Time

10-12-10 1107

Logged in by:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.  
 Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

# CHAIN-OF-CUSTODY RECORD

# CA

## Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778  
 TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : CHHL10101202

Report Due By : 5:00 PM On : 21-Oct-2010

| Report Attention | Phone Number     | E-Mail Address            |
|------------------|------------------|---------------------------|
| Daniel Jablonski | (213) 228-8271 x | daniel.jablonski@ch2m.com |
| Susan Clark      | (213) 228-8271 x | susan.clark@ch2m.com      |
| Vladimir Carino  | (213) 228-8271 x | vladimir.carino@ch2m.com  |

EDD Required : No

Sampled by : TR, HH

Cooler Temp 2 °C Samples Received 12-Oct-2010 Date Printed 12-Oct-2010

Client: CH2M Hill  
 1000 Wilshire Boulevard  
 21st Floor  
 Los Angeles, CA 90017

Client's COC #: none  
 Job : KMEP DFSP Norwalk  
 QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date   | No. of Bottles |     | Requested Tests |                                 | Sample Remarks                  |  |
|-----------------|------------------|--------|-------------------|----------------|-----|-----------------|---------------------------------|---------------------------------|--|
|                 |                  |        |                   | Alpha          | Sub | TPHE_W          | TPHP_W                          |                                 | VOC_W  |
| CHH10101202-09A | EB-10            | AQ     | 10/08/10<br>14:10 | 8              | 0   | 7               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |  |
| CHH10101202-10A | GW-10            | AQ     | 10/08/10<br>10:13 | 8              | 0   | 7               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate | All voas are labeled GMW-10 matched up by sample time and logged in per COC. |
| CHH10101202-11A | MW-SF-6          | AQ     | 10/08/10<br>08:58 | 8              | 0   | 7               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |  |
| CHH10101202-12A | WCW-13           | AQ     | 10/08/10<br>11:02 | 8              | 0   | 7               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |  |
| CHH10101202-13A | GWR-3            | AQ     | 10/08/10<br>08:20 | 8              | 0   | 7               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |  |
| CHH10101202-14A | MW-SF-14         | AQ     | 10/08/10<br>11:36 | 8              | 0   | 7               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |  |
| CHH10101202-15A | DUP-7            | AQ     | 10/08/10<br>00:00 | 8              | 0   | 7               | TPHE(0.10)<br>+Vinyl<br>acetate | TPHE(0.10)<br>+Vinyl<br>acetate |  |

Comments: Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. .

Logged in by: *Elizabeth Oldcox* Signature *Elizabeth Oldcox* Print Name Elizabeth Oldcox Company Alpha Analytical, Inc. Date/Time 10-12-10 1107

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

12

1680 ROGERS AVENUE  
SAN JOSE, CALIFORNIA 95112-1105  
FAX (408) 573-7771  
PHONE (408) 573-0555

**BLAINE**  
TECH SERVICES, INC.

Alpha Analytical COC

LAB

Billing Information:  
Kinder Morgan  
1100 Town and County Rd.  
Orange CA 95112

Kinder Morgan Norwalk  
Report to:  
Dan Jablonski  
CH2MHILL  
1000 Wilshire Blvd 21st floor  
Los Angeles, CA 90017

CHAIN OF CUSTODY  
CLIENT Kinder Morgan  
SITE DFSP Norwalk  
15306 Norwalk Blvd, Norwalk

| SAMPLE I.D. | DATE    | TIME | MATRIX | CONTAINERS |      | PRESERVATION | Type |
|-------------|---------|------|--------|------------|------|--------------|------|
|             |         |      |        | #          | Type |              |      |
| TD-5        | 10-9-10 | 0700 | AQ     | 28         | HCl  | VOA          |      |
| GMW-25      |         | 0808 |        |            |      |              |      |
| MW-5F-5     |         | 0847 |        |            |      |              |      |
| GMW-0-23    |         | 0949 |        |            |      |              |      |
| GMW-0-21    |         | 0736 |        |            |      |              |      |
| NCW-3       |         | 1105 |        |            |      |              |      |
| MW-0-1      |         | 1029 |        |            |      |              |      |
| EB-9        |         | 1400 |        |            |      |              |      |
| EB-10       |         | 1410 |        |            |      |              |      |
| GW-10       |         | 1013 |        |            |      |              |      |

SAMPLING PERFORMED BY TR, H1A

| CONDUCT ANALYSIS TO DETECT     |   | ADD'L INFORMATION | STATUS | CONDITION | LAB SAMPLE # |
|--------------------------------|---|-------------------|--------|-----------|--------------|
| TPHg, TPHp (EPA 8015M)         | X |                   |        |           | CHH101202    |
| VOC's & Oxygenates (EPA 8260B) | X |                   |        |           |              |
|                                | X |                   |        |           | .01          |
|                                | X |                   |        |           | .02          |
|                                | X |                   |        |           | .03          |
|                                | X |                   |        |           | .04          |
|                                | X |                   |        |           | .05          |
|                                | X |                   |        |           | .06          |
|                                | X |                   |        |           | .07          |
|                                | X |                   |        |           | .08          |
|                                | X |                   |        |           | .09          |
|                                | X |                   |        |           | .10          |

RESULTS NEEDED NO LATER THAN Standard

| RELEASED BY | DATE    | TIME | RECEIVED BY      | DATE     | TIME |
|-------------|---------|------|------------------|----------|------|
|             | 10-9-10 | 1500 |                  | 10-8-10  | 1500 |
|             |         | 1630 |                  | 10-8-10  | 1630 |
|             |         | 1630 | Elizabeth Oldcox | 10-12-10 | 1107 |

SHIPPED VIA COOLER #

