

## Thompson, Matthew A - DNR

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**From:** Mark Mejac <mmej@ramboll.com>  
**Sent:** Wednesday, October 31, 2018 1:37 PM  
**To:** Dehmlow, Amanda L - DNR  
**Cc:** Thompson, Matthew A - DNR  
**Subject:** Former Gorski Landfill, Mosinee, WI  
**Attachments:** 40178374\_frc.pdf

Hello Amanda,

Please find attached laboratory reports dated October 29, 2018, associated with the most recent groundwater monitoring event for the former Gorski Landfill site near Mosinee, Wisconsin. I will also provide these data to the WDNR central office for loading into the GEMS database. If you require any additional information or documentation, please do not hesitate to contact me.

Thank you, Mark Mejac

Yours sincerely,

**Mark M. Mejac, PG**  
Senior Managing Consultant

D 262.901.0127  
M 414.949.0395  
[mmej@ramboll.com](mailto:mmej@ramboll.com)

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October 29, 2018

Mark Mejac  
Ramboll Environ  
175 North Corporate Drive  
Suite 160  
Brookfield, WI 53045

RE: Project: 1690010425 GORSKI LF  
Pace Project No.: 40178374

Dear Mark Mejac:

Enclosed are the analytical results for sample(s) received by the laboratory on October 25, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Steven Mleczko  
steve.mleczko@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

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### Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

| Lab ID      | Sample ID   | Matrix | Date Collected | Date Received  |
|-------------|-------------|--------|----------------|----------------|
| 40178374001 | 1096 CTH KK | Water  | 10/24/18 09:45 | 10/25/18 14:55 |
| 40178374002 | 1101 CTH KK | Water  | 10/24/18 10:00 | 10/25/18 14:55 |
| 40178374003 | 1058 CTH KK | Water  | 10/24/18 10:15 | 10/25/18 14:55 |
| 40178374004 | 1054 CTH KK | Water  | 10/24/18 10:30 | 10/25/18 14:55 |
| 40178374005 | 666 CTH B   | Water  | 10/24/18 11:00 | 10/25/18 14:55 |
| 40178374006 | 670 CTH B   | Water  | 10/24/18 11:15 | 10/25/18 14:55 |
| 40178374007 | 669 CTH B   | Water  | 10/24/18 11:30 | 10/25/18 14:55 |
| 40178374008 | 669 CTH BD  | Water  | 10/24/18 11:32 | 10/25/18 14:55 |
| 40178374009 | 626 CTH B   | Water  | 10/24/18 11:45 | 10/25/18 14:55 |
| 40178374010 | 642R CTH B  | Water  | 10/24/18 12:00 | 10/25/18 14:55 |
| 40178374011 | 652R CTH B  | Water  | 10/24/18 12:15 | 10/25/18 14:55 |
| 40178374012 | PZ-3        | Water  | 10/24/18 13:45 | 10/25/18 14:55 |
| 40178374013 | MW-4        | Water  | 10/24/18 14:40 | 10/25/18 14:55 |
| 40178374014 | MW-4D       | Water  | 10/24/18 14:42 | 10/25/18 14:55 |
| 40178374015 | PZ-4        | Water  | 10/24/18 15:20 | 10/25/18 14:55 |
| 40178374016 | MW-6        | Water  | 10/24/18 15:50 | 10/25/18 14:55 |
| 40178374017 | TRIP BLANK  | Water  | 10/24/18 00:00 | 10/25/18 14:55 |

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### SAMPLE ANALYTE COUNT

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

| Lab ID      | Sample ID   | Method   | Analysts | Analytes Reported | Laboratory |
|-------------|-------------|----------|----------|-------------------|------------|
| 40178374001 | 1096 CTH KK | EPA 8260 | LAP      | 65                | PASI-G     |
| 40178374002 | 1101 CTH KK | EPA 8260 | LAP      | 65                | PASI-G     |
| 40178374003 | 1058 CTH KK | EPA 8260 | LAP      | 65                | PASI-G     |
| 40178374004 | 1054 CTH KK | EPA 8260 | LAP      | 65                | PASI-G     |
| 40178374005 | 666 CTH B   | EPA 8260 | LAP      | 65                | PASI-G     |
| 40178374006 | 670 CTH B   | EPA 8260 | LAP      | 65                | PASI-G     |
| 40178374007 | 669 CTH B   | EPA 8260 | LAP      | 65                | PASI-G     |
| 40178374008 | 669 CTH BD  | EPA 8260 | LAP      | 65                | PASI-G     |
| 40178374009 | 626 CTH B   | EPA 8260 | LAP      | 65                | PASI-G     |
| 40178374010 | 642R CTH B  | EPA 8260 | LAP      | 65                | PASI-G     |
| 40178374011 | 652R CTH B  | EPA 8260 | LAP      | 65                | PASI-G     |
| 40178374012 | PZ-3        | EPA 8260 | LAP      | 65                | PASI-G     |
| 40178374013 | MW-4        | EPA 8260 | LAP      | 65                | PASI-G     |
| 40178374014 | MW-4D       | EPA 8260 | LAP      | 65                | PASI-G     |
| 40178374015 | PZ-4        | EPA 8260 | LAP      | 65                | PASI-G     |
| 40178374016 | MW-6        | EPA 8260 | LAP      | 65                | PASI-G     |
| 40178374017 | TRIP BLANK  | EPA 8260 | LAP      | 65                | PASI-G     |

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### SUMMARY OF DETECTION

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

| Lab Sample ID<br>Method | Client Sample ID<br>Parameters | Result | Units | Report Limit | Analyzed       | Qualifiers |
|-------------------------|--------------------------------|--------|-------|--------------|----------------|------------|
| <b>40178374005</b>      | <b>666 CTH B</b>               |        |       |              |                |            |
| EPA 8260                | Methyl-tert-butyl ether        | 12.1   | ug/L  | 4.2          | 10/26/18 20:26 |            |
| <b>40178374012</b>      | <b>PZ-3</b>                    |        |       |              |                |            |
| EPA 8260                | cis-1,2-Dichloroethene         | 10.4   | ug/L  | 1.0          | 10/26/18 18:35 |            |
| EPA 8260                | Trichloroethene                | 1.2    | ug/L  | 1.0          | 10/26/18 18:35 |            |
| <b>40178374013</b>      | <b>MW-4</b>                    |        |       |              |                |            |
| EPA 8260                | Trichloroethene                | 2.2    | ug/L  | 1.0          | 10/26/18 23:01 |            |
| <b>40178374014</b>      | <b>MW-4D</b>                   |        |       |              |                |            |
| EPA 8260                | Trichloroethene                | 2.3    | ug/L  | 1.0          | 10/26/18 23:23 |            |
| <b>40178374015</b>      | <b>PZ-4</b>                    |        |       |              |                |            |
| EPA 8260                | cis-1,2-Dichloroethene         | 1.4    | ug/L  | 1.0          | 10/26/18 23:45 |            |
| EPA 8260                | Trichloroethene                | 6.6    | ug/L  | 1.0          | 10/26/18 23:45 |            |
| <b>40178374016</b>      | <b>MW-6</b>                    |        |       |              |                |            |
| EPA 8260                | cis-1,2-Dichloroethene         | 2.3    | ug/L  | 1.0          | 10/27/18 00:07 |            |
| EPA 8260                | Trichloroethene                | 5.2    | ug/L  | 1.0          | 10/27/18 00:07 |            |

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

**Sample: 1096 CTH KK**      **Lab ID: 40178374001**      Collected: 10/24/18 09:45      Received: 10/25/18 14:55      Matrix: Water

| Parameters                                  | Results | Units | LOQ  | LOD  | DF | Prepared | Analyzed       | CAS No.    | Qual |
|---|---------|-------|------|------|----|----------|----------------|------------|------|
| <b>8260 MSV</b> Analytical Method: EPA 8260 |         |       |      |      |    |          |                |            |      |
| Benzene                                     | <0.25   | ug/L  | 1.0  | 0.25 | 1  |          | 10/26/18 18:58 | 71-43-2    |      |
| Bromobenzene                                | <0.24   | ug/L  | 1.0  | 0.24 | 1  |          | 10/26/18 18:58 | 108-86-1   |      |
| Bromochloromethane                          | <0.36   | ug/L  | 5.0  | 0.36 | 1  |          | 10/26/18 18:58 | 74-97-5    |      |
| Bromodichloromethane                        | <0.36   | ug/L  | 1.2  | 0.36 | 1  |          | 10/26/18 18:58 | 75-27-4    |      |
| Bromoform                                   | <4.0    | ug/L  | 13.2 | 4.0  | 1  |          | 10/26/18 18:58 | 75-25-2    |      |
| Bromomethane                                | <0.97   | ug/L  | 5.0  | 0.97 | 1  |          | 10/26/18 18:58 | 74-83-9    |      |
| n-Butylbenzene                              | <0.71   | ug/L  | 2.4  | 0.71 | 1  |          | 10/26/18 18:58 | 104-51-8   |      |
| sec-Butylbenzene                            | <0.85   | ug/L  | 5.0  | 0.85 | 1  |          | 10/26/18 18:58 | 135-98-8   |      |
| tert-Butylbenzene                           | <0.30   | ug/L  | 1.0  | 0.30 | 1  |          | 10/26/18 18:58 | 98-06-6    |      |
| Carbon tetrachloride                        | <0.17   | ug/L  | 1.0  | 0.17 | 1  |          | 10/26/18 18:58 | 56-23-5    |      |
| Chlorobenzene                               | <0.71   | ug/L  | 2.4  | 0.71 | 1  |          | 10/26/18 18:58 | 108-90-7   |      |
| Chloroethane                                | <1.3    | ug/L  | 5.0  | 1.3  | 1  |          | 10/26/18 18:58 | 75-00-3    |      |
| Chloroform                                  | <1.3    | ug/L  | 5.0  | 1.3  | 1  |          | 10/26/18 18:58 | 67-66-3    |      |
| Chloromethane                               | <2.2    | ug/L  | 7.3  | 2.2  | 1  |          | 10/26/18 18:58 | 74-87-3    |      |
| 2-Chlorotoluene                             | <0.93   | ug/L  | 5.0  | 0.93 | 1  |          | 10/26/18 18:58 | 95-49-8    |      |
| 4-Chlorotoluene                             | <0.76   | ug/L  | 2.5  | 0.76 | 1  |          | 10/26/18 18:58 | 106-43-4   |      |
| 1,2-Dibromo-3-chloropropane                 | <1.8    | ug/L  | 5.9  | 1.8  | 1  |          | 10/26/18 18:58 | 96-12-8    |      |
| Dibromochloromethane                        | <2.6    | ug/L  | 8.7  | 2.6  | 1  |          | 10/26/18 18:58 | 124-48-1   |      |
| 1,2-Dibromoethane (EDB)                     | <0.83   | ug/L  | 2.8  | 0.83 | 1  |          | 10/26/18 18:58 | 106-93-4   |      |
| Dibromomethane                              | <0.94   | ug/L  | 3.1  | 0.94 | 1  |          | 10/26/18 18:58 | 74-95-3    |      |
| 1,2-Dichlorobenzene                         | <0.71   | ug/L  | 2.4  | 0.71 | 1  |          | 10/26/18 18:58 | 95-50-1    |      |
| 1,3-Dichlorobenzene                         | <0.63   | ug/L  | 2.1  | 0.63 | 1  |          | 10/26/18 18:58 | 541-73-1   |      |
| 1,4-Dichlorobenzene                         | <0.94   | ug/L  | 3.1  | 0.94 | 1  |          | 10/26/18 18:58 | 106-46-7   |      |
| Dichlorodifluoromethane                     | <0.50   | ug/L  | 5.0  | 0.50 | 1  |          | 10/26/18 18:58 | 75-71-8    |      |
| 1,1-Dichloroethane                          | <0.27   | ug/L  | 1.0  | 0.27 | 1  |          | 10/26/18 18:58 | 75-34-3    |      |
| 1,2-Dichloroethane                          | <0.28   | ug/L  | 1.0  | 0.28 | 1  |          | 10/26/18 18:58 | 107-06-2   |      |
| 1,1-Dichloroethene                          | <0.24   | ug/L  | 1.0  | 0.24 | 1  |          | 10/26/18 18:58 | 75-35-4    |      |
| cis-1,2-Dichloroethene                      | <0.27   | ug/L  | 1.0  | 0.27 | 1  |          | 10/26/18 18:58 | 156-59-2   |      |
| trans-1,2-Dichloroethene                    | <1.1    | ug/L  | 3.6  | 1.1  | 1  |          | 10/26/18 18:58 | 156-60-5   |      |
| 1,2-Dichloropropane                         | <0.28   | ug/L  | 1.0  | 0.28 | 1  |          | 10/26/18 18:58 | 78-87-5    |      |
| 1,3-Dichloropropane                         | <0.83   | ug/L  | 2.8  | 0.83 | 1  |          | 10/26/18 18:58 | 142-28-9   |      |
| 2,2-Dichloropropane                         | <2.3    | ug/L  | 7.6  | 2.3  | 1  |          | 10/26/18 18:58 | 594-20-7   |      |
| 1,1-Dichloropropene                         | <0.54   | ug/L  | 1.8  | 0.54 | 1  |          | 10/26/18 18:58 | 563-58-6   |      |
| cis-1,3-Dichloropropene                     | <3.6    | ug/L  | 12.1 | 3.6  | 1  |          | 10/26/18 18:58 | 10061-01-5 |      |
| trans-1,3-Dichloropropene                   | <4.4    | ug/L  | 14.6 | 4.4  | 1  |          | 10/26/18 18:58 | 10061-02-6 |      |
| Diisopropyl ether                           | <1.9    | ug/L  | 6.3  | 1.9  | 1  |          | 10/26/18 18:58 | 108-20-3   |      |
| Ethylbenzene                                | <0.22   | ug/L  | 1.0  | 0.22 | 1  |          | 10/26/18 18:58 | 100-41-4   |      |
| Hexachloro-1,3-butadiene                    | <1.2    | ug/L  | 5.0  | 1.2  | 1  |          | 10/26/18 18:58 | 87-68-3    |      |
| Isopropylbenzene (Cumene)                   | <0.39   | ug/L  | 5.0  | 0.39 | 1  |          | 10/26/18 18:58 | 98-82-8    |      |
| p-Isopropyltoluene                          | <0.80   | ug/L  | 2.7  | 0.80 | 1  |          | 10/26/18 18:58 | 99-87-6    |      |
| Methylene Chloride                          | <0.58   | ug/L  | 5.0  | 0.58 | 1  |          | 10/26/18 18:58 | 75-09-2    |      |
| Methyl-tert-butyl ether                     | <1.2    | ug/L  | 4.2  | 1.2  | 1  |          | 10/26/18 18:58 | 1634-04-4  |      |
| Naphthalene                                 | <1.2    | ug/L  | 5.0  | 1.2  | 1  |          | 10/26/18 18:58 | 91-20-3    |      |
| n-Propylbenzene                             | <0.81   | ug/L  | 5.0  | 0.81 | 1  |          | 10/26/18 18:58 | 103-65-1   |      |
| Styrene                                     | <0.47   | ug/L  | 1.6  | 0.47 | 1  |          | 10/26/18 18:58 | 100-42-5   |      |
| 1,1,1,2-Tetrachloroethane                   | <0.27   | ug/L  | 1.0  | 0.27 | 1  |          | 10/26/18 18:58 | 630-20-6   |      |

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

**Sample: 1096 CTH KK**      **Lab ID: 40178374001**      Collected: 10/24/18 09:45      Received: 10/25/18 14:55      Matrix: Water

| Parameters                  | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|-----------------------------|---------|-------|--------|------|----|----------|----------------|-------------|------|
| <b>8260 MSV</b>             |         |       |        |      |    |          |                |             |      |
| Analytical Method: EPA 8260 |         |       |        |      |    |          |                |             |      |
| 1,1,2,2-Tetrachloroethane   | <0.28   | ug/L  | 1.0    | 0.28 | 1  |          | 10/26/18 18:58 | 79-34-5     |      |
| Tetrachloroethene           | <0.33   | ug/L  | 1.1    | 0.33 | 1  |          | 10/26/18 18:58 | 127-18-4    |      |
| Toluene                     | <0.17   | ug/L  | 5.0    | 0.17 | 1  |          | 10/26/18 18:58 | 108-88-3    |      |
| 1,2,3-Trichlorobenzene      | <0.63   | ug/L  | 5.0    | 0.63 | 1  |          | 10/26/18 18:58 | 87-61-6     |      |
| 1,2,4-Trichlorobenzene      | <0.95   | ug/L  | 5.0    | 0.95 | 1  |          | 10/26/18 18:58 | 120-82-1    |      |
| 1,1,1-Trichloroethane       | <0.24   | ug/L  | 1.0    | 0.24 | 1  |          | 10/26/18 18:58 | 71-55-6     |      |
| 1,1,2-Trichloroethane       | <0.55   | ug/L  | 5.0    | 0.55 | 1  |          | 10/26/18 18:58 | 79-00-5     |      |
| Trichloroethene             | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 10/26/18 18:58 | 79-01-6     |      |
| Trichlorofluoromethane      | <0.21   | ug/L  | 1.0    | 0.21 | 1  |          | 10/26/18 18:58 | 75-69-4     |      |
| 1,2,3-Trichloropropane      | <0.59   | ug/L  | 5.0    | 0.59 | 1  |          | 10/26/18 18:58 | 96-18-4     |      |
| 1,2,4-Trimethylbenzene      | <0.84   | ug/L  | 2.8    | 0.84 | 1  |          | 10/26/18 18:58 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene      | <0.87   | ug/L  | 2.9    | 0.87 | 1  |          | 10/26/18 18:58 | 108-67-8    |      |
| Vinyl chloride              | <0.17   | ug/L  | 1.0    | 0.17 | 1  |          | 10/26/18 18:58 | 75-01-4     |      |
| Xylene (Total)              | <1.5    | ug/L  | 3.0    | 1.5  | 1  |          | 10/26/18 18:58 | 1330-20-7   |      |
| m&p-Xylene                  | <0.47   | ug/L  | 2.0    | 0.47 | 1  |          | 10/26/18 18:58 | 179601-23-1 |      |
| o-Xylene                    | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 10/26/18 18:58 | 95-47-6     |      |
| <b>Surrogates</b>           |         |       |        |      |    |          |                |             |      |
| 4-Bromofluorobenzene (S)    | 89      | %     | 70-130 |      | 1  |          | 10/26/18 18:58 | 460-00-4    |      |
| Dibromofluoromethane (S)    | 97      | %     | 70-130 |      | 1  |          | 10/26/18 18:58 | 1868-53-7   |      |
| Toluene-d8 (S)              | 97      | %     | 70-130 |      | 1  |          | 10/26/18 18:58 | 2037-26-5   |      |

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## ANALYTICAL RESULTS

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

**Sample: 1101 CTH KK**      **Lab ID: 40178374002**      Collected: 10/24/18 10:00      Received: 10/25/18 14:55      Matrix: Water

| Parameters                  | Results | Units                       | LOQ  | LOD  | DF | Prepared | Analyzed       | CAS No.    | Qual |
|-----------------------------|---------|-----------------------------|------|------|----|----------|----------------|------------|------|
| <b>8260 MSV</b>             |         | Analytical Method: EPA 8260 |      |      |    |          |                |            |      |
| Benzene                     | <0.25   | ug/L                        | 1.0  | 0.25 | 1  |          | 10/26/18 19:20 | 71-43-2    |      |
| Bromobenzene                | <0.24   | ug/L                        | 1.0  | 0.24 | 1  |          | 10/26/18 19:20 | 108-86-1   |      |
| Bromochloromethane          | <0.36   | ug/L                        | 5.0  | 0.36 | 1  |          | 10/26/18 19:20 | 74-97-5    |      |
| Bromodichloromethane        | <0.36   | ug/L                        | 1.2  | 0.36 | 1  |          | 10/26/18 19:20 | 75-27-4    |      |
| Bromoform                   | <4.0    | ug/L                        | 13.2 | 4.0  | 1  |          | 10/26/18 19:20 | 75-25-2    |      |
| Bromomethane                | <0.97   | ug/L                        | 5.0  | 0.97 | 1  |          | 10/26/18 19:20 | 74-83-9    |      |
| n-Butylbenzene              | <0.71   | ug/L                        | 2.4  | 0.71 | 1  |          | 10/26/18 19:20 | 104-51-8   |      |
| sec-Butylbenzene            | <0.85   | ug/L                        | 5.0  | 0.85 | 1  |          | 10/26/18 19:20 | 135-98-8   |      |
| tert-Butylbenzene           | <0.30   | ug/L                        | 1.0  | 0.30 | 1  |          | 10/26/18 19:20 | 98-06-6    |      |
| Carbon tetrachloride        | <0.17   | ug/L                        | 1.0  | 0.17 | 1  |          | 10/26/18 19:20 | 56-23-5    |      |
| Chlorobenzene               | <0.71   | ug/L                        | 2.4  | 0.71 | 1  |          | 10/26/18 19:20 | 108-90-7   |      |
| Chloroethane                | <1.3    | ug/L                        | 5.0  | 1.3  | 1  |          | 10/26/18 19:20 | 75-00-3    |      |
| Chloroform                  | <1.3    | ug/L                        | 5.0  | 1.3  | 1  |          | 10/26/18 19:20 | 67-66-3    |      |
| Chloromethane               | <2.2    | ug/L                        | 7.3  | 2.2  | 1  |          | 10/26/18 19:20 | 74-87-3    |      |
| 2-Chlorotoluene             | <0.93   | ug/L                        | 5.0  | 0.93 | 1  |          | 10/26/18 19:20 | 95-49-8    |      |
| 4-Chlorotoluene             | <0.76   | ug/L                        | 2.5  | 0.76 | 1  |          | 10/26/18 19:20 | 106-43-4   |      |
| 1,2-Dibromo-3-chloropropane | <1.8    | ug/L                        | 5.9  | 1.8  | 1  |          | 10/26/18 19:20 | 96-12-8    |      |
| Dibromochloromethane        | <2.6    | ug/L                        | 8.7  | 2.6  | 1  |          | 10/26/18 19:20 | 124-48-1   |      |
| 1,2-Dibromoethane (EDB)     | <0.83   | ug/L                        | 2.8  | 0.83 | 1  |          | 10/26/18 19:20 | 106-93-4   |      |
| Dibromomethane              | <0.94   | ug/L                        | 3.1  | 0.94 | 1  |          | 10/26/18 19:20 | 74-95-3    |      |
| 1,2-Dichlorobenzene         | <0.71   | ug/L                        | 2.4  | 0.71 | 1  |          | 10/26/18 19:20 | 95-50-1    |      |
| 1,3-Dichlorobenzene         | <0.63   | ug/L                        | 2.1  | 0.63 | 1  |          | 10/26/18 19:20 | 541-73-1   |      |
| 1,4-Dichlorobenzene         | <0.94   | ug/L                        | 3.1  | 0.94 | 1  |          | 10/26/18 19:20 | 106-46-7   |      |
| Dichlorodifluoromethane     | <0.50   | ug/L                        | 5.0  | 0.50 | 1  |          | 10/26/18 19:20 | 75-71-8    |      |
| 1,1-Dichloroethane          | <0.27   | ug/L                        | 1.0  | 0.27 | 1  |          | 10/26/18 19:20 | 75-34-3    |      |
| 1,2-Dichloroethane          | <0.28   | ug/L                        | 1.0  | 0.28 | 1  |          | 10/26/18 19:20 | 107-06-2   |      |
| 1,1-Dichloroethene          | <0.24   | ug/L                        | 1.0  | 0.24 | 1  |          | 10/26/18 19:20 | 75-35-4    |      |
| cis-1,2-Dichloroethene      | <0.27   | ug/L                        | 1.0  | 0.27 | 1  |          | 10/26/18 19:20 | 156-59-2   |      |
| trans-1,2-Dichloroethene    | <1.1    | ug/L                        | 3.6  | 1.1  | 1  |          | 10/26/18 19:20 | 156-60-5   |      |
| 1,2-Dichloropropane         | <0.28   | ug/L                        | 1.0  | 0.28 | 1  |          | 10/26/18 19:20 | 78-87-5    |      |
| 1,3-Dichloropropane         | <0.83   | ug/L                        | 2.8  | 0.83 | 1  |          | 10/26/18 19:20 | 142-28-9   |      |
| 2,2-Dichloropropane         | <2.3    | ug/L                        | 7.6  | 2.3  | 1  |          | 10/26/18 19:20 | 594-20-7   |      |
| 1,1-Dichloropropene         | <0.54   | ug/L                        | 1.8  | 0.54 | 1  |          | 10/26/18 19:20 | 563-58-6   |      |
| cis-1,3-Dichloropropene     | <3.6    | ug/L                        | 12.1 | 3.6  | 1  |          | 10/26/18 19:20 | 10061-01-5 |      |
| trans-1,3-Dichloropropene   | <4.4    | ug/L                        | 14.6 | 4.4  | 1  |          | 10/26/18 19:20 | 10061-02-6 |      |
| Diisopropyl ether           | <1.9    | ug/L                        | 6.3  | 1.9  | 1  |          | 10/26/18 19:20 | 108-20-3   |      |
| Ethylbenzene                | <0.22   | ug/L                        | 1.0  | 0.22 | 1  |          | 10/26/18 19:20 | 100-41-4   |      |
| Hexachloro-1,3-butadiene    | <1.2    | ug/L                        | 5.0  | 1.2  | 1  |          | 10/26/18 19:20 | 87-68-3    |      |
| Isopropylbenzene (Cumene)   | <0.39   | ug/L                        | 5.0  | 0.39 | 1  |          | 10/26/18 19:20 | 98-82-8    |      |
| p-Isopropyltoluene          | <0.80   | ug/L                        | 2.7  | 0.80 | 1  |          | 10/26/18 19:20 | 99-87-6    |      |
| Methylene Chloride          | <0.58   | ug/L                        | 5.0  | 0.58 | 1  |          | 10/26/18 19:20 | 75-09-2    |      |
| Methyl-tert-butyl ether     | <1.2    | ug/L                        | 4.2  | 1.2  | 1  |          | 10/26/18 19:20 | 1634-04-4  |      |
| Naphthalene                 | <1.2    | ug/L                        | 5.0  | 1.2  | 1  |          | 10/26/18 19:20 | 91-20-3    |      |
| n-Propylbenzene             | <0.81   | ug/L                        | 5.0  | 0.81 | 1  |          | 10/26/18 19:20 | 103-65-1   |      |
| Styrene                     | <0.47   | ug/L                        | 1.6  | 0.47 | 1  |          | 10/26/18 19:20 | 100-42-5   |      |
| 1,1,1,2-Tetrachloroethane   | <0.27   | ug/L                        | 1.0  | 0.27 | 1  |          | 10/26/18 19:20 | 630-20-6   |      |

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### ANALYTICAL RESULTS

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

**Sample: 1101 CTH KK**      **Lab ID: 40178374002**      Collected: 10/24/18 10:00      Received: 10/25/18 14:55      Matrix: Water

| Parameters                | Results | Units                       | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---------------------------|---------|-----------------------------|--------|------|----|----------|----------------|-------------|------|
| <b>8260 MSV</b>           |         | Analytical Method: EPA 8260 |        |      |    |          |                |             |      |
| 1,1,2,2-Tetrachloroethane | <0.28   | ug/L                        | 1.0    | 0.28 | 1  |          | 10/26/18 19:20 | 79-34-5     |      |
| Tetrachloroethene         | <0.33   | ug/L                        | 1.1    | 0.33 | 1  |          | 10/26/18 19:20 | 127-18-4    |      |
| Toluene                   | <0.17   | ug/L                        | 5.0    | 0.17 | 1  |          | 10/26/18 19:20 | 108-88-3    |      |
| 1,2,3-Trichlorobenzene    | <0.63   | ug/L                        | 5.0    | 0.63 | 1  |          | 10/26/18 19:20 | 87-61-6     |      |
| 1,2,4-Trichlorobenzene    | <0.95   | ug/L                        | 5.0    | 0.95 | 1  |          | 10/26/18 19:20 | 120-82-1    |      |
| 1,1,1-Trichloroethane     | <0.24   | ug/L                        | 1.0    | 0.24 | 1  |          | 10/26/18 19:20 | 71-55-6     |      |
| 1,1,2-Trichloroethane     | <0.55   | ug/L                        | 5.0    | 0.55 | 1  |          | 10/26/18 19:20 | 79-00-5     |      |
| Trichloroethene           | <0.26   | ug/L                        | 1.0    | 0.26 | 1  |          | 10/26/18 19:20 | 79-01-6     |      |
| Trichlorofluoromethane    | <0.21   | ug/L                        | 1.0    | 0.21 | 1  |          | 10/26/18 19:20 | 75-69-4     |      |
| 1,2,3-Trichloropropane    | <0.59   | ug/L                        | 5.0    | 0.59 | 1  |          | 10/26/18 19:20 | 96-18-4     |      |
| 1,2,4-Trimethylbenzene    | <0.84   | ug/L                        | 2.8    | 0.84 | 1  |          | 10/26/18 19:20 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene    | <0.87   | ug/L                        | 2.9    | 0.87 | 1  |          | 10/26/18 19:20 | 108-67-8    |      |
| Vinyl chloride            | <0.17   | ug/L                        | 1.0    | 0.17 | 1  |          | 10/26/18 19:20 | 75-01-4     |      |
| Xylene (Total)            | <1.5    | ug/L                        | 3.0    | 1.5  | 1  |          | 10/26/18 19:20 | 1330-20-7   |      |
| m&p-Xylene                | <0.47   | ug/L                        | 2.0    | 0.47 | 1  |          | 10/26/18 19:20 | 179601-23-1 |      |
| o-Xylene                  | <0.26   | ug/L                        | 1.0    | 0.26 | 1  |          | 10/26/18 19:20 | 95-47-6     |      |
| <b>Surrogates</b>         |         |                             |        |      |    |          |                |             |      |
| 4-Bromofluorobenzene (S)  | 91      | %                           | 70-130 |      | 1  |          | 10/26/18 19:20 | 460-00-4    |      |
| Dibromofluoromethane (S)  | 97      | %                           | 70-130 |      | 1  |          | 10/26/18 19:20 | 1868-53-7   |      |
| Toluene-d8 (S)            | 100     | %                           | 70-130 |      | 1  |          | 10/26/18 19:20 | 2037-26-5   |      |

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### ANALYTICAL RESULTS

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

**Sample: 1058 CTH KK**      **Lab ID: 40178374003**      Collected: 10/24/18 10:15      Received: 10/25/18 14:55      Matrix: Water

| Parameters                                  | Results | Units | LOQ  | LOD  | DF | Prepared | Analyzed       | CAS No.    | Qual |
|---|---------|-------|------|------|----|----------|----------------|------------|------|
| <b>8260 MSV</b> Analytical Method: EPA 8260 |         |       |      |      |    |          |                |            |      |
| Benzene                                     | <0.25   | ug/L  | 1.0  | 0.25 | 1  |          | 10/26/18 19:42 | 71-43-2    |      |
| Bromobenzene                                | <0.24   | ug/L  | 1.0  | 0.24 | 1  |          | 10/26/18 19:42 | 108-86-1   |      |
| Bromochloromethane                          | <0.36   | ug/L  | 5.0  | 0.36 | 1  |          | 10/26/18 19:42 | 74-97-5    |      |
| Bromodichloromethane                        | <0.36   | ug/L  | 1.2  | 0.36 | 1  |          | 10/26/18 19:42 | 75-27-4    |      |
| Bromoform                                   | <4.0    | ug/L  | 13.2 | 4.0  | 1  |          | 10/26/18 19:42 | 75-25-2    |      |
| Bromomethane                                | <0.97   | ug/L  | 5.0  | 0.97 | 1  |          | 10/26/18 19:42 | 74-83-9    |      |
| n-Butylbenzene                              | <0.71   | ug/L  | 2.4  | 0.71 | 1  |          | 10/26/18 19:42 | 104-51-8   |      |
| sec-Butylbenzene                            | <0.85   | ug/L  | 5.0  | 0.85 | 1  |          | 10/26/18 19:42 | 135-98-8   |      |
| tert-Butylbenzene                           | <0.30   | ug/L  | 1.0  | 0.30 | 1  |          | 10/26/18 19:42 | 98-06-6    |      |
| Carbon tetrachloride                        | <0.17   | ug/L  | 1.0  | 0.17 | 1  |          | 10/26/18 19:42 | 56-23-5    |      |
| Chlorobenzene                               | <0.71   | ug/L  | 2.4  | 0.71 | 1  |          | 10/26/18 19:42 | 108-90-7   |      |
| Chloroethane                                | <1.3    | ug/L  | 5.0  | 1.3  | 1  |          | 10/26/18 19:42 | 75-00-3    |      |
| Chloroform                                  | <1.3    | ug/L  | 5.0  | 1.3  | 1  |          | 10/26/18 19:42 | 67-66-3    |      |
| Chloromethane                               | <2.2    | ug/L  | 7.3  | 2.2  | 1  |          | 10/26/18 19:42 | 74-87-3    |      |
| 2-Chlorotoluene                             | <0.93   | ug/L  | 5.0  | 0.93 | 1  |          | 10/26/18 19:42 | 95-49-8    |      |
| 4-Chlorotoluene                             | <0.76   | ug/L  | 2.5  | 0.76 | 1  |          | 10/26/18 19:42 | 106-43-4   |      |
| 1,2-Dibromo-3-chloropropane                 | <1.8    | ug/L  | 5.9  | 1.8  | 1  |          | 10/26/18 19:42 | 96-12-8    |      |
| Dibromochloromethane                        | <2.6    | ug/L  | 8.7  | 2.6  | 1  |          | 10/26/18 19:42 | 124-48-1   |      |
| 1,2-Dibromoethane (EDB)                     | <0.83   | ug/L  | 2.8  | 0.83 | 1  |          | 10/26/18 19:42 | 106-93-4   |      |
| Dibromomethane                              | <0.94   | ug/L  | 3.1  | 0.94 | 1  |          | 10/26/18 19:42 | 74-95-3    |      |
| 1,2-Dichlorobenzene                         | <0.71   | ug/L  | 2.4  | 0.71 | 1  |          | 10/26/18 19:42 | 95-50-1    |      |
| 1,3-Dichlorobenzene                         | <0.63   | ug/L  | 2.1  | 0.63 | 1  |          | 10/26/18 19:42 | 541-73-1   |      |
| 1,4-Dichlorobenzene                         | <0.94   | ug/L  | 3.1  | 0.94 | 1  |          | 10/26/18 19:42 | 106-46-7   |      |
| Dichlorodifluoromethane                     | <0.50   | ug/L  | 5.0  | 0.50 | 1  |          | 10/26/18 19:42 | 75-71-8    |      |
| 1,1-Dichloroethane                          | <0.27   | ug/L  | 1.0  | 0.27 | 1  |          | 10/26/18 19:42 | 75-34-3    |      |
| 1,2-Dichloroethane                          | <0.28   | ug/L  | 1.0  | 0.28 | 1  |          | 10/26/18 19:42 | 107-06-2   |      |
| 1,1-Dichloroethene                          | <0.24   | ug/L  | 1.0  | 0.24 | 1  |          | 10/26/18 19:42 | 75-35-4    |      |
| cis-1,2-Dichloroethene                      | <0.27   | ug/L  | 1.0  | 0.27 | 1  |          | 10/26/18 19:42 | 156-59-2   |      |
| trans-1,2-Dichloroethene                    | <1.1    | ug/L  | 3.6  | 1.1  | 1  |          | 10/26/18 19:42 | 156-60-5   |      |
| 1,2-Dichloropropane                         | <0.28   | ug/L  | 1.0  | 0.28 | 1  |          | 10/26/18 19:42 | 78-87-5    |      |
| 1,3-Dichloropropane                         | <0.83   | ug/L  | 2.8  | 0.83 | 1  |          | 10/26/18 19:42 | 142-28-9   |      |
| 2,2-Dichloropropane                         | <2.3    | ug/L  | 7.6  | 2.3  | 1  |          | 10/26/18 19:42 | 594-20-7   |      |
| 1,1-Dichloropropene                         | <0.54   | ug/L  | 1.8  | 0.54 | 1  |          | 10/26/18 19:42 | 563-58-6   |      |
| cis-1,3-Dichloropropene                     | <3.6    | ug/L  | 12.1 | 3.6  | 1  |          | 10/26/18 19:42 | 10061-01-5 |      |
| trans-1,3-Dichloropropene                   | <4.4    | ug/L  | 14.6 | 4.4  | 1  |          | 10/26/18 19:42 | 10061-02-6 |      |
| Diisopropyl ether                           | <1.9    | ug/L  | 6.3  | 1.9  | 1  |          | 10/26/18 19:42 | 108-20-3   |      |
| Ethylbenzene                                | <0.22   | ug/L  | 1.0  | 0.22 | 1  |          | 10/26/18 19:42 | 100-41-4   |      |
| Hexachloro-1,3-butadiene                    | <1.2    | ug/L  | 5.0  | 1.2  | 1  |          | 10/26/18 19:42 | 87-68-3    |      |
| Isopropylbenzene (Cumene)                   | <0.39   | ug/L  | 5.0  | 0.39 | 1  |          | 10/26/18 19:42 | 98-82-8    |      |
| p-Isopropyltoluene                          | <0.80   | ug/L  | 2.7  | 0.80 | 1  |          | 10/26/18 19:42 | 99-87-6    |      |
| Methylene Chloride                          | <0.58   | ug/L  | 5.0  | 0.58 | 1  |          | 10/26/18 19:42 | 75-09-2    |      |
| Methyl-tert-butyl ether                     | <1.2    | ug/L  | 4.2  | 1.2  | 1  |          | 10/26/18 19:42 | 1634-04-4  |      |
| Naphthalene                                 | <1.2    | ug/L  | 5.0  | 1.2  | 1  |          | 10/26/18 19:42 | 91-20-3    |      |
| n-Propylbenzene                             | <0.81   | ug/L  | 5.0  | 0.81 | 1  |          | 10/26/18 19:42 | 103-65-1   |      |
| Styrene                                     | <0.47   | ug/L  | 1.6  | 0.47 | 1  |          | 10/26/18 19:42 | 100-42-5   |      |
| 1,1,1,2-Tetrachloroethane                   | <0.27   | ug/L  | 1.0  | 0.27 | 1  |          | 10/26/18 19:42 | 630-20-6   |      |

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### ANALYTICAL RESULTS

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

**Sample: 1058 CTH KK**      **Lab ID: 40178374003**      Collected: 10/24/18 10:15      Received: 10/25/18 14:55      Matrix: Water

| Parameters                | Results | Units                       | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---------------------------|---------|-----------------------------|--------|------|----|----------|----------------|-------------|------|
| <b>8260 MSV</b>           |         | Analytical Method: EPA 8260 |        |      |    |          |                |             |      |
| 1,1,2,2-Tetrachloroethane | <0.28   | ug/L                        | 1.0    | 0.28 | 1  |          | 10/26/18 19:42 | 79-34-5     |      |
| Tetrachloroethene         | <0.33   | ug/L                        | 1.1    | 0.33 | 1  |          | 10/26/18 19:42 | 127-18-4    |      |
| Toluene                   | <0.17   | ug/L                        | 5.0    | 0.17 | 1  |          | 10/26/18 19:42 | 108-88-3    |      |
| 1,2,3-Trichlorobenzene    | <0.63   | ug/L                        | 5.0    | 0.63 | 1  |          | 10/26/18 19:42 | 87-61-6     |      |
| 1,2,4-Trichlorobenzene    | <0.95   | ug/L                        | 5.0    | 0.95 | 1  |          | 10/26/18 19:42 | 120-82-1    |      |
| 1,1,1-Trichloroethane     | <0.24   | ug/L                        | 1.0    | 0.24 | 1  |          | 10/26/18 19:42 | 71-55-6     |      |
| 1,1,2-Trichloroethane     | <0.55   | ug/L                        | 5.0    | 0.55 | 1  |          | 10/26/18 19:42 | 79-00-5     |      |
| Trichloroethene           | <0.26   | ug/L                        | 1.0    | 0.26 | 1  |          | 10/26/18 19:42 | 79-01-6     |      |
| Trichlorofluoromethane    | <0.21   | ug/L                        | 1.0    | 0.21 | 1  |          | 10/26/18 19:42 | 75-69-4     |      |
| 1,2,3-Trichloropropane    | <0.59   | ug/L                        | 5.0    | 0.59 | 1  |          | 10/26/18 19:42 | 96-18-4     |      |
| 1,2,4-Trimethylbenzene    | <0.84   | ug/L                        | 2.8    | 0.84 | 1  |          | 10/26/18 19:42 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene    | <0.87   | ug/L                        | 2.9    | 0.87 | 1  |          | 10/26/18 19:42 | 108-67-8    |      |
| Vinyl chloride            | <0.17   | ug/L                        | 1.0    | 0.17 | 1  |          | 10/26/18 19:42 | 75-01-4     |      |
| Xylene (Total)            | <1.5    | ug/L                        | 3.0    | 1.5  | 1  |          | 10/26/18 19:42 | 1330-20-7   |      |
| m&p-Xylene                | <0.47   | ug/L                        | 2.0    | 0.47 | 1  |          | 10/26/18 19:42 | 179601-23-1 |      |
| o-Xylene                  | <0.26   | ug/L                        | 1.0    | 0.26 | 1  |          | 10/26/18 19:42 | 95-47-6     |      |
| <b>Surrogates</b>         |         |                             |        |      |    |          |                |             |      |
| 4-Bromofluorobenzene (S)  | 91      | %                           | 70-130 |      | 1  |          | 10/26/18 19:42 | 460-00-4    |      |
| Dibromofluoromethane (S)  | 99      | %                           | 70-130 |      | 1  |          | 10/26/18 19:42 | 1868-53-7   |      |
| Toluene-d8 (S)            | 99      | %                           | 70-130 |      | 1  |          | 10/26/18 19:42 | 2037-26-5   |      |

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### ANALYTICAL RESULTS

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

**Sample: 1054 CTH KK**      **Lab ID: 40178374004**      Collected: 10/24/18 10:30      Received: 10/25/18 14:55      Matrix: Water

| Parameters                                  | Results | Units | LOQ  | LOD  | DF | Prepared | Analyzed       | CAS No.    | Qual |
|---|---------|-------|------|------|----|----------|----------------|------------|------|
| <b>8260 MSV</b> Analytical Method: EPA 8260 |         |       |      |      |    |          |                |            |      |
| Benzene                                     | <0.25   | ug/L  | 1.0  | 0.25 | 1  |          | 10/26/18 20:04 | 71-43-2    |      |
| Bromobenzene                                | <0.24   | ug/L  | 1.0  | 0.24 | 1  |          | 10/26/18 20:04 | 108-86-1   |      |
| Bromochloromethane                          | <0.36   | ug/L  | 5.0  | 0.36 | 1  |          | 10/26/18 20:04 | 74-97-5    |      |
| Bromodichloromethane                        | <0.36   | ug/L  | 1.2  | 0.36 | 1  |          | 10/26/18 20:04 | 75-27-4    |      |
| Bromoform                                   | <4.0    | ug/L  | 13.2 | 4.0  | 1  |          | 10/26/18 20:04 | 75-25-2    |      |
| Bromomethane                                | <0.97   | ug/L  | 5.0  | 0.97 | 1  |          | 10/26/18 20:04 | 74-83-9    |      |
| n-Butylbenzene                              | <0.71   | ug/L  | 2.4  | 0.71 | 1  |          | 10/26/18 20:04 | 104-51-8   |      |
| sec-Butylbenzene                            | <0.85   | ug/L  | 5.0  | 0.85 | 1  |          | 10/26/18 20:04 | 135-98-8   |      |
| tert-Butylbenzene                           | <0.30   | ug/L  | 1.0  | 0.30 | 1  |          | 10/26/18 20:04 | 98-06-6    |      |
| Carbon tetrachloride                        | <0.17   | ug/L  | 1.0  | 0.17 | 1  |          | 10/26/18 20:04 | 56-23-5    |      |
| Chlorobenzene                               | <0.71   | ug/L  | 2.4  | 0.71 | 1  |          | 10/26/18 20:04 | 108-90-7   |      |
| Chloroethane                                | <1.3    | ug/L  | 5.0  | 1.3  | 1  |          | 10/26/18 20:04 | 75-00-3    |      |
| Chloroform                                  | <1.3    | ug/L  | 5.0  | 1.3  | 1  |          | 10/26/18 20:04 | 67-66-3    |      |
| Chloromethane                               | <2.2    | ug/L  | 7.3  | 2.2  | 1  |          | 10/26/18 20:04 | 74-87-3    |      |
| 2-Chlorotoluene                             | <0.93   | ug/L  | 5.0  | 0.93 | 1  |          | 10/26/18 20:04 | 95-49-8    |      |
| 4-Chlorotoluene                             | <0.76   | ug/L  | 2.5  | 0.76 | 1  |          | 10/26/18 20:04 | 106-43-4   |      |
| 1,2-Dibromo-3-chloropropane                 | <1.8    | ug/L  | 5.9  | 1.8  | 1  |          | 10/26/18 20:04 | 96-12-8    |      |
| Dibromochloromethane                        | <2.6    | ug/L  | 8.7  | 2.6  | 1  |          | 10/26/18 20:04 | 124-48-1   |      |
| 1,2-Dibromoethane (EDB)                     | <0.83   | ug/L  | 2.8  | 0.83 | 1  |          | 10/26/18 20:04 | 106-93-4   |      |
| Dibromomethane                              | <0.94   | ug/L  | 3.1  | 0.94 | 1  |          | 10/26/18 20:04 | 74-95-3    |      |
| 1,2-Dichlorobenzene                         | <0.71   | ug/L  | 2.4  | 0.71 | 1  |          | 10/26/18 20:04 | 95-50-1    |      |
| 1,3-Dichlorobenzene                         | <0.63   | ug/L  | 2.1  | 0.63 | 1  |          | 10/26/18 20:04 | 541-73-1   |      |
| 1,4-Dichlorobenzene                         | <0.94   | ug/L  | 3.1  | 0.94 | 1  |          | 10/26/18 20:04 | 106-46-7   |      |
| Dichlorodifluoromethane                     | <0.50   | ug/L  | 5.0  | 0.50 | 1  |          | 10/26/18 20:04 | 75-71-8    |      |
| 1,1-Dichloroethane                          | <0.27   | ug/L  | 1.0  | 0.27 | 1  |          | 10/26/18 20:04 | 75-34-3    |      |
| 1,2-Dichloroethane                          | <0.28   | ug/L  | 1.0  | 0.28 | 1  |          | 10/26/18 20:04 | 107-06-2   |      |
| 1,1-Dichloroethene                          | <0.24   | ug/L  | 1.0  | 0.24 | 1  |          | 10/26/18 20:04 | 75-35-4    |      |
| cis-1,2-Dichloroethene                      | <0.27   | ug/L  | 1.0  | 0.27 | 1  |          | 10/26/18 20:04 | 156-59-2   |      |
| trans-1,2-Dichloroethene                    | <1.1    | ug/L  | 3.6  | 1.1  | 1  |          | 10/26/18 20:04 | 156-60-5   |      |
| 1,2-Dichloropropane                         | <0.28   | ug/L  | 1.0  | 0.28 | 1  |          | 10/26/18 20:04 | 78-87-5    |      |
| 1,3-Dichloropropane                         | <0.83   | ug/L  | 2.8  | 0.83 | 1  |          | 10/26/18 20:04 | 142-28-9   |      |
| 2,2-Dichloropropane                         | <2.3    | ug/L  | 7.6  | 2.3  | 1  |          | 10/26/18 20:04 | 594-20-7   |      |
| 1,1-Dichloropropene                         | <0.54   | ug/L  | 1.8  | 0.54 | 1  |          | 10/26/18 20:04 | 563-58-6   |      |
| cis-1,3-Dichloropropene                     | <3.6    | ug/L  | 12.1 | 3.6  | 1  |          | 10/26/18 20:04 | 10061-01-5 |      |
| trans-1,3-Dichloropropene                   | <4.4    | ug/L  | 14.6 | 4.4  | 1  |          | 10/26/18 20:04 | 10061-02-6 |      |
| Diisopropyl ether                           | <1.9    | ug/L  | 6.3  | 1.9  | 1  |          | 10/26/18 20:04 | 108-20-3   |      |
| Ethylbenzene                                | <0.22   | ug/L  | 1.0  | 0.22 | 1  |          | 10/26/18 20:04 | 100-41-4   |      |
| Hexachloro-1,3-butadiene                    | <1.2    | ug/L  | 5.0  | 1.2  | 1  |          | 10/26/18 20:04 | 87-68-3    |      |
| Isopropylbenzene (Cumene)                   | <0.39   | ug/L  | 5.0  | 0.39 | 1  |          | 10/26/18 20:04 | 98-82-8    |      |
| p-Isopropyltoluene                          | <0.80   | ug/L  | 2.7  | 0.80 | 1  |          | 10/26/18 20:04 | 99-87-6    |      |
| Methylene Chloride                          | <0.58   | ug/L  | 5.0  | 0.58 | 1  |          | 10/26/18 20:04 | 75-09-2    |      |
| Methyl-tert-butyl ether                     | <1.2    | ug/L  | 4.2  | 1.2  | 1  |          | 10/26/18 20:04 | 1634-04-4  |      |
| Naphthalene                                 | <1.2    | ug/L  | 5.0  | 1.2  | 1  |          | 10/26/18 20:04 | 91-20-3    |      |
| n-Propylbenzene                             | <0.81   | ug/L  | 5.0  | 0.81 | 1  |          | 10/26/18 20:04 | 103-65-1   |      |
| Styrene                                     | <0.47   | ug/L  | 1.6  | 0.47 | 1  |          | 10/26/18 20:04 | 100-42-5   |      |
| 1,1,1,2-Tetrachloroethane                   | <0.27   | ug/L  | 1.0  | 0.27 | 1  |          | 10/26/18 20:04 | 630-20-6   |      |

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### ANALYTICAL RESULTS

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

**Sample: 1054 CTH KK**      **Lab ID: 40178374004**      Collected: 10/24/18 10:30      Received: 10/25/18 14:55      Matrix: Water

| Parameters                | Results | Units                       | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---------------------------|---------|-----------------------------|--------|------|----|----------|----------------|-------------|------|
| <b>8260 MSV</b>           |         | Analytical Method: EPA 8260 |        |      |    |          |                |             |      |
| 1,1,2,2-Tetrachloroethane | <0.28   | ug/L                        | 1.0    | 0.28 | 1  |          | 10/26/18 20:04 | 79-34-5     |      |
| Tetrachloroethene         | <0.33   | ug/L                        | 1.1    | 0.33 | 1  |          | 10/26/18 20:04 | 127-18-4    |      |
| Toluene                   | <0.17   | ug/L                        | 5.0    | 0.17 | 1  |          | 10/26/18 20:04 | 108-88-3    |      |
| 1,2,3-Trichlorobenzene    | <0.63   | ug/L                        | 5.0    | 0.63 | 1  |          | 10/26/18 20:04 | 87-61-6     |      |
| 1,2,4-Trichlorobenzene    | <0.95   | ug/L                        | 5.0    | 0.95 | 1  |          | 10/26/18 20:04 | 120-82-1    |      |
| 1,1,1-Trichloroethane     | <0.24   | ug/L                        | 1.0    | 0.24 | 1  |          | 10/26/18 20:04 | 71-55-6     |      |
| 1,1,2-Trichloroethane     | <0.55   | ug/L                        | 5.0    | 0.55 | 1  |          | 10/26/18 20:04 | 79-00-5     |      |
| Trichloroethene           | <0.26   | ug/L                        | 1.0    | 0.26 | 1  |          | 10/26/18 20:04 | 79-01-6     |      |
| Trichlorofluoromethane    | <0.21   | ug/L                        | 1.0    | 0.21 | 1  |          | 10/26/18 20:04 | 75-69-4     |      |
| 1,2,3-Trichloropropane    | <0.59   | ug/L                        | 5.0    | 0.59 | 1  |          | 10/26/18 20:04 | 96-18-4     |      |
| 1,2,4-Trimethylbenzene    | <0.84   | ug/L                        | 2.8    | 0.84 | 1  |          | 10/26/18 20:04 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene    | <0.87   | ug/L                        | 2.9    | 0.87 | 1  |          | 10/26/18 20:04 | 108-67-8    |      |
| Vinyl chloride            | <0.17   | ug/L                        | 1.0    | 0.17 | 1  |          | 10/26/18 20:04 | 75-01-4     |      |
| Xylene (Total)            | <1.5    | ug/L                        | 3.0    | 1.5  | 1  |          | 10/26/18 20:04 | 1330-20-7   |      |
| m&p-Xylene                | <0.47   | ug/L                        | 2.0    | 0.47 | 1  |          | 10/26/18 20:04 | 179601-23-1 |      |
| o-Xylene                  | <0.26   | ug/L                        | 1.0    | 0.26 | 1  |          | 10/26/18 20:04 | 95-47-6     |      |
| <b>Surrogates</b>         |         |                             |        |      |    |          |                |             |      |
| 4-Bromofluorobenzene (S)  | 89      | %                           | 70-130 |      | 1  |          | 10/26/18 20:04 | 460-00-4    |      |
| Dibromofluoromethane (S)  | 100     | %                           | 70-130 |      | 1  |          | 10/26/18 20:04 | 1868-53-7   |      |
| Toluene-d8 (S)            | 102     | %                           | 70-130 |      | 1  |          | 10/26/18 20:04 | 2037-26-5   |      |

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## ANALYTICAL RESULTS

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

**Sample: 666 CTH B**      **Lab ID: 40178374005**      Collected: 10/24/18 11:00      Received: 10/25/18 14:55      Matrix: Water

| Parameters                  | Results | Units                       | LOQ  | LOD  | DF | Prepared | Analyzed       | CAS No.    | Qual |
|-----------------------------|---------|-----------------------------|------|------|----|----------|----------------|------------|------|
| <b>8260 MSV</b>             |         | Analytical Method: EPA 8260 |      |      |    |          |                |            |      |
| Benzene                     | <0.25   | ug/L                        | 1.0  | 0.25 | 1  |          | 10/26/18 20:26 | 71-43-2    |      |
| Bromobenzene                | <0.24   | ug/L                        | 1.0  | 0.24 | 1  |          | 10/26/18 20:26 | 108-86-1   |      |
| Bromochloromethane          | <0.36   | ug/L                        | 5.0  | 0.36 | 1  |          | 10/26/18 20:26 | 74-97-5    |      |
| Bromodichloromethane        | <0.36   | ug/L                        | 1.2  | 0.36 | 1  |          | 10/26/18 20:26 | 75-27-4    |      |
| Bromoform                   | <4.0    | ug/L                        | 13.2 | 4.0  | 1  |          | 10/26/18 20:26 | 75-25-2    |      |
| Bromomethane                | <0.97   | ug/L                        | 5.0  | 0.97 | 1  |          | 10/26/18 20:26 | 74-83-9    |      |
| n-Butylbenzene              | <0.71   | ug/L                        | 2.4  | 0.71 | 1  |          | 10/26/18 20:26 | 104-51-8   |      |
| sec-Butylbenzene            | <0.85   | ug/L                        | 5.0  | 0.85 | 1  |          | 10/26/18 20:26 | 135-98-8   |      |
| tert-Butylbenzene           | <0.30   | ug/L                        | 1.0  | 0.30 | 1  |          | 10/26/18 20:26 | 98-06-6    |      |
| Carbon tetrachloride        | <0.17   | ug/L                        | 1.0  | 0.17 | 1  |          | 10/26/18 20:26 | 56-23-5    |      |
| Chlorobenzene               | <0.71   | ug/L                        | 2.4  | 0.71 | 1  |          | 10/26/18 20:26 | 108-90-7   |      |
| Chloroethane                | <1.3    | ug/L                        | 5.0  | 1.3  | 1  |          | 10/26/18 20:26 | 75-00-3    |      |
| Chloroform                  | <1.3    | ug/L                        | 5.0  | 1.3  | 1  |          | 10/26/18 20:26 | 67-66-3    |      |
| Chloromethane               | <2.2    | ug/L                        | 7.3  | 2.2  | 1  |          | 10/26/18 20:26 | 74-87-3    |      |
| 2-Chlorotoluene             | <0.93   | ug/L                        | 5.0  | 0.93 | 1  |          | 10/26/18 20:26 | 95-49-8    |      |
| 4-Chlorotoluene             | <0.76   | ug/L                        | 2.5  | 0.76 | 1  |          | 10/26/18 20:26 | 106-43-4   |      |
| 1,2-Dibromo-3-chloropropane | <1.8    | ug/L                        | 5.9  | 1.8  | 1  |          | 10/26/18 20:26 | 96-12-8    |      |
| Dibromochloromethane        | <2.6    | ug/L                        | 8.7  | 2.6  | 1  |          | 10/26/18 20:26 | 124-48-1   |      |
| 1,2-Dibromoethane (EDB)     | <0.83   | ug/L                        | 2.8  | 0.83 | 1  |          | 10/26/18 20:26 | 106-93-4   |      |
| Dibromomethane              | <0.94   | ug/L                        | 3.1  | 0.94 | 1  |          | 10/26/18 20:26 | 74-95-3    |      |
| 1,2-Dichlorobenzene         | <0.71   | ug/L                        | 2.4  | 0.71 | 1  |          | 10/26/18 20:26 | 95-50-1    |      |
| 1,3-Dichlorobenzene         | <0.63   | ug/L                        | 2.1  | 0.63 | 1  |          | 10/26/18 20:26 | 541-73-1   |      |
| 1,4-Dichlorobenzene         | <0.94   | ug/L                        | 3.1  | 0.94 | 1  |          | 10/26/18 20:26 | 106-46-7   |      |
| Dichlorodifluoromethane     | <0.50   | ug/L                        | 5.0  | 0.50 | 1  |          | 10/26/18 20:26 | 75-71-8    |      |
| 1,1-Dichloroethane          | <0.27   | ug/L                        | 1.0  | 0.27 | 1  |          | 10/26/18 20:26 | 75-34-3    |      |
| 1,2-Dichloroethane          | <0.28   | ug/L                        | 1.0  | 0.28 | 1  |          | 10/26/18 20:26 | 107-06-2   |      |
| 1,1-Dichloroethene          | <0.24   | ug/L                        | 1.0  | 0.24 | 1  |          | 10/26/18 20:26 | 75-35-4    |      |
| cis-1,2-Dichloroethene      | <0.27   | ug/L                        | 1.0  | 0.27 | 1  |          | 10/26/18 20:26 | 156-59-2   |      |
| trans-1,2-Dichloroethene    | <1.1    | ug/L                        | 3.6  | 1.1  | 1  |          | 10/26/18 20:26 | 156-60-5   |      |
| 1,2-Dichloropropane         | <0.28   | ug/L                        | 1.0  | 0.28 | 1  |          | 10/26/18 20:26 | 78-87-5    |      |
| 1,3-Dichloropropane         | <0.83   | ug/L                        | 2.8  | 0.83 | 1  |          | 10/26/18 20:26 | 142-28-9   |      |
| 2,2-Dichloropropane         | <2.3    | ug/L                        | 7.6  | 2.3  | 1  |          | 10/26/18 20:26 | 594-20-7   |      |
| 1,1-Dichloropropene         | <0.54   | ug/L                        | 1.8  | 0.54 | 1  |          | 10/26/18 20:26 | 563-58-6   |      |
| cis-1,3-Dichloropropene     | <3.6    | ug/L                        | 12.1 | 3.6  | 1  |          | 10/26/18 20:26 | 10061-01-5 |      |
| trans-1,3-Dichloropropene   | <4.4    | ug/L                        | 14.6 | 4.4  | 1  |          | 10/26/18 20:26 | 10061-02-6 |      |
| Diisopropyl ether           | <1.9    | ug/L                        | 6.3  | 1.9  | 1  |          | 10/26/18 20:26 | 108-20-3   |      |
| Ethylbenzene                | <0.22   | ug/L                        | 1.0  | 0.22 | 1  |          | 10/26/18 20:26 | 100-41-4   |      |
| Hexachloro-1,3-butadiene    | <1.2    | ug/L                        | 5.0  | 1.2  | 1  |          | 10/26/18 20:26 | 87-68-3    |      |
| Isopropylbenzene (Cumene)   | <0.39   | ug/L                        | 5.0  | 0.39 | 1  |          | 10/26/18 20:26 | 98-82-8    |      |
| p-Isopropyltoluene          | <0.80   | ug/L                        | 2.7  | 0.80 | 1  |          | 10/26/18 20:26 | 99-87-6    |      |
| Methylene Chloride          | <0.58   | ug/L                        | 5.0  | 0.58 | 1  |          | 10/26/18 20:26 | 75-09-2    |      |
| Methyl-tert-butyl ether     | 12.1    | ug/L                        | 4.2  | 1.2  | 1  |          | 10/26/18 20:26 | 1634-04-4  |      |
| Naphthalene                 | <1.2    | ug/L                        | 5.0  | 1.2  | 1  |          | 10/26/18 20:26 | 91-20-3    |      |
| n-Propylbenzene             | <0.81   | ug/L                        | 5.0  | 0.81 | 1  |          | 10/26/18 20:26 | 103-65-1   |      |
| Styrene                     | <0.47   | ug/L                        | 1.6  | 0.47 | 1  |          | 10/26/18 20:26 | 100-42-5   |      |
| 1,1,1,2-Tetrachloroethane   | <0.27   | ug/L                        | 1.0  | 0.27 | 1  |          | 10/26/18 20:26 | 630-20-6   |      |

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### ANALYTICAL RESULTS

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

**Sample: 666 CTH B**      **Lab ID: 40178374005**      Collected: 10/24/18 11:00      Received: 10/25/18 14:55      Matrix: Water

| Parameters                | Results | Units                       | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---------------------------|---------|-----------------------------|--------|------|----|----------|----------------|-------------|------|
| <b>8260 MSV</b>           |         | Analytical Method: EPA 8260 |        |      |    |          |                |             |      |
| 1,1,2,2-Tetrachloroethane | <0.28   | ug/L                        | 1.0    | 0.28 | 1  |          | 10/26/18 20:26 | 79-34-5     |      |
| Tetrachloroethene         | <0.33   | ug/L                        | 1.1    | 0.33 | 1  |          | 10/26/18 20:26 | 127-18-4    |      |
| Toluene                   | <0.17   | ug/L                        | 5.0    | 0.17 | 1  |          | 10/26/18 20:26 | 108-88-3    |      |
| 1,2,3-Trichlorobenzene    | <0.63   | ug/L                        | 5.0    | 0.63 | 1  |          | 10/26/18 20:26 | 87-61-6     |      |
| 1,2,4-Trichlorobenzene    | <0.95   | ug/L                        | 5.0    | 0.95 | 1  |          | 10/26/18 20:26 | 120-82-1    |      |
| 1,1,1-Trichloroethane     | <0.24   | ug/L                        | 1.0    | 0.24 | 1  |          | 10/26/18 20:26 | 71-55-6     |      |
| 1,1,2-Trichloroethane     | <0.55   | ug/L                        | 5.0    | 0.55 | 1  |          | 10/26/18 20:26 | 79-00-5     |      |
| Trichloroethene           | <0.26   | ug/L                        | 1.0    | 0.26 | 1  |          | 10/26/18 20:26 | 79-01-6     |      |
| Trichlorofluoromethane    | <0.21   | ug/L                        | 1.0    | 0.21 | 1  |          | 10/26/18 20:26 | 75-69-4     |      |
| 1,2,3-Trichloropropane    | <0.59   | ug/L                        | 5.0    | 0.59 | 1  |          | 10/26/18 20:26 | 96-18-4     |      |
| 1,2,4-Trimethylbenzene    | <0.84   | ug/L                        | 2.8    | 0.84 | 1  |          | 10/26/18 20:26 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene    | <0.87   | ug/L                        | 2.9    | 0.87 | 1  |          | 10/26/18 20:26 | 108-67-8    |      |
| Vinyl chloride            | <0.17   | ug/L                        | 1.0    | 0.17 | 1  |          | 10/26/18 20:26 | 75-01-4     |      |
| Xylene (Total)            | <1.5    | ug/L                        | 3.0    | 1.5  | 1  |          | 10/26/18 20:26 | 1330-20-7   |      |
| m&p-Xylene                | <0.47   | ug/L                        | 2.0    | 0.47 | 1  |          | 10/26/18 20:26 | 179601-23-1 |      |
| o-Xylene                  | <0.26   | ug/L                        | 1.0    | 0.26 | 1  |          | 10/26/18 20:26 | 95-47-6     |      |
| <b>Surrogates</b>         |         |                             |        |      |    |          |                |             |      |
| 4-Bromofluorobenzene (S)  | 92      | %                           | 70-130 |      | 1  |          | 10/26/18 20:26 | 460-00-4    |      |
| Dibromofluoromethane (S)  | 97      | %                           | 70-130 |      | 1  |          | 10/26/18 20:26 | 1868-53-7   |      |
| Toluene-d8 (S)            | 100     | %                           | 70-130 |      | 1  |          | 10/26/18 20:26 | 2037-26-5   |      |

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## ANALYTICAL RESULTS

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

**Sample: 670 CTH B**      **Lab ID: 40178374006**      Collected: 10/24/18 11:15      Received: 10/25/18 14:55      Matrix: Water

| Parameters                  | Results | Units                       | LOQ  | LOD  | DF | Prepared | Analyzed       | CAS No.    | Qual |
|-----------------------------|---------|-----------------------------|------|------|----|----------|----------------|------------|------|
| <b>8260 MSV</b>             |         | Analytical Method: EPA 8260 |      |      |    |          |                |            |      |
| Benzene                     | <0.25   | ug/L                        | 1.0  | 0.25 | 1  |          | 10/26/18 20:48 | 71-43-2    |      |
| Bromobenzene                | <0.24   | ug/L                        | 1.0  | 0.24 | 1  |          | 10/26/18 20:48 | 108-86-1   |      |
| Bromochloromethane          | <0.36   | ug/L                        | 5.0  | 0.36 | 1  |          | 10/26/18 20:48 | 74-97-5    |      |
| Bromodichloromethane        | <0.36   | ug/L                        | 1.2  | 0.36 | 1  |          | 10/26/18 20:48 | 75-27-4    |      |
| Bromoform                   | <4.0    | ug/L                        | 13.2 | 4.0  | 1  |          | 10/26/18 20:48 | 75-25-2    |      |
| Bromomethane                | <0.97   | ug/L                        | 5.0  | 0.97 | 1  |          | 10/26/18 20:48 | 74-83-9    |      |
| n-Butylbenzene              | <0.71   | ug/L                        | 2.4  | 0.71 | 1  |          | 10/26/18 20:48 | 104-51-8   |      |
| sec-Butylbenzene            | <0.85   | ug/L                        | 5.0  | 0.85 | 1  |          | 10/26/18 20:48 | 135-98-8   |      |
| tert-Butylbenzene           | <0.30   | ug/L                        | 1.0  | 0.30 | 1  |          | 10/26/18 20:48 | 98-06-6    |      |
| Carbon tetrachloride        | <0.17   | ug/L                        | 1.0  | 0.17 | 1  |          | 10/26/18 20:48 | 56-23-5    |      |
| Chlorobenzene               | <0.71   | ug/L                        | 2.4  | 0.71 | 1  |          | 10/26/18 20:48 | 108-90-7   |      |
| Chloroethane                | <1.3    | ug/L                        | 5.0  | 1.3  | 1  |          | 10/26/18 20:48 | 75-00-3    |      |
| Chloroform                  | <1.3    | ug/L                        | 5.0  | 1.3  | 1  |          | 10/26/18 20:48 | 67-66-3    |      |
| Chloromethane               | <2.2    | ug/L                        | 7.3  | 2.2  | 1  |          | 10/26/18 20:48 | 74-87-3    |      |
| 2-Chlorotoluene             | <0.93   | ug/L                        | 5.0  | 0.93 | 1  |          | 10/26/18 20:48 | 95-49-8    |      |
| 4-Chlorotoluene             | <0.76   | ug/L                        | 2.5  | 0.76 | 1  |          | 10/26/18 20:48 | 106-43-4   |      |
| 1,2-Dibromo-3-chloropropane | <1.8    | ug/L                        | 5.9  | 1.8  | 1  |          | 10/26/18 20:48 | 96-12-8    |      |
| Dibromochloromethane        | <2.6    | ug/L                        | 8.7  | 2.6  | 1  |          | 10/26/18 20:48 | 124-48-1   |      |
| 1,2-Dibromoethane (EDB)     | <0.83   | ug/L                        | 2.8  | 0.83 | 1  |          | 10/26/18 20:48 | 106-93-4   |      |
| Dibromomethane              | <0.94   | ug/L                        | 3.1  | 0.94 | 1  |          | 10/26/18 20:48 | 74-95-3    |      |
| 1,2-Dichlorobenzene         | <0.71   | ug/L                        | 2.4  | 0.71 | 1  |          | 10/26/18 20:48 | 95-50-1    |      |
| 1,3-Dichlorobenzene         | <0.63   | ug/L                        | 2.1  | 0.63 | 1  |          | 10/26/18 20:48 | 541-73-1   |      |
| 1,4-Dichlorobenzene         | <0.94   | ug/L                        | 3.1  | 0.94 | 1  |          | 10/26/18 20:48 | 106-46-7   |      |
| Dichlorodifluoromethane     | <0.50   | ug/L                        | 5.0  | 0.50 | 1  |          | 10/26/18 20:48 | 75-71-8    |      |
| 1,1-Dichloroethane          | <0.27   | ug/L                        | 1.0  | 0.27 | 1  |          | 10/26/18 20:48 | 75-34-3    |      |
| 1,2-Dichloroethane          | <0.28   | ug/L                        | 1.0  | 0.28 | 1  |          | 10/26/18 20:48 | 107-06-2   |      |
| 1,1-Dichloroethene          | <0.24   | ug/L                        | 1.0  | 0.24 | 1  |          | 10/26/18 20:48 | 75-35-4    |      |
| cis-1,2-Dichloroethene      | <0.27   | ug/L                        | 1.0  | 0.27 | 1  |          | 10/26/18 20:48 | 156-59-2   |      |
| trans-1,2-Dichloroethene    | <1.1    | ug/L                        | 3.6  | 1.1  | 1  |          | 10/26/18 20:48 | 156-60-5   |      |
| 1,2-Dichloropropane         | <0.28   | ug/L                        | 1.0  | 0.28 | 1  |          | 10/26/18 20:48 | 78-87-5    |      |
| 1,3-Dichloropropane         | <0.83   | ug/L                        | 2.8  | 0.83 | 1  |          | 10/26/18 20:48 | 142-28-9   |      |
| 2,2-Dichloropropane         | <2.3    | ug/L                        | 7.6  | 2.3  | 1  |          | 10/26/18 20:48 | 594-20-7   |      |
| 1,1-Dichloropropene         | <0.54   | ug/L                        | 1.8  | 0.54 | 1  |          | 10/26/18 20:48 | 563-58-6   |      |
| cis-1,3-Dichloropropene     | <3.6    | ug/L                        | 12.1 | 3.6  | 1  |          | 10/26/18 20:48 | 10061-01-5 |      |
| trans-1,3-Dichloropropene   | <4.4    | ug/L                        | 14.6 | 4.4  | 1  |          | 10/26/18 20:48 | 10061-02-6 |      |
| Diisopropyl ether           | <1.9    | ug/L                        | 6.3  | 1.9  | 1  |          | 10/26/18 20:48 | 108-20-3   |      |
| Ethylbenzene                | <0.22   | ug/L                        | 1.0  | 0.22 | 1  |          | 10/26/18 20:48 | 100-41-4   |      |
| Hexachloro-1,3-butadiene    | <1.2    | ug/L                        | 5.0  | 1.2  | 1  |          | 10/26/18 20:48 | 87-68-3    |      |
| Isopropylbenzene (Cumene)   | <0.39   | ug/L                        | 5.0  | 0.39 | 1  |          | 10/26/18 20:48 | 98-82-8    |      |
| p-Isopropyltoluene          | <0.80   | ug/L                        | 2.7  | 0.80 | 1  |          | 10/26/18 20:48 | 99-87-6    |      |
| Methylene Chloride          | <0.58   | ug/L                        | 5.0  | 0.58 | 1  |          | 10/26/18 20:48 | 75-09-2    |      |
| Methyl-tert-butyl ether     | <1.2    | ug/L                        | 4.2  | 1.2  | 1  |          | 10/26/18 20:48 | 1634-04-4  |      |
| Naphthalene                 | <1.2    | ug/L                        | 5.0  | 1.2  | 1  |          | 10/26/18 20:48 | 91-20-3    |      |
| n-Propylbenzene             | <0.81   | ug/L                        | 5.0  | 0.81 | 1  |          | 10/26/18 20:48 | 103-65-1   |      |
| Styrene                     | <0.47   | ug/L                        | 1.6  | 0.47 | 1  |          | 10/26/18 20:48 | 100-42-5   |      |
| 1,1,1,2-Tetrachloroethane   | <0.27   | ug/L                        | 1.0  | 0.27 | 1  |          | 10/26/18 20:48 | 630-20-6   |      |

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### ANALYTICAL RESULTS

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

**Sample: 670 CTH B**      **Lab ID: 40178374006**      Collected: 10/24/18 11:15      Received: 10/25/18 14:55      Matrix: Water

| Parameters                | Results | Units                       | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---------------------------|---------|-----------------------------|--------|------|----|----------|----------------|-------------|------|
| <b>8260 MSV</b>           |         | Analytical Method: EPA 8260 |        |      |    |          |                |             |      |
| 1,1,2,2-Tetrachloroethane | <0.28   | ug/L                        | 1.0    | 0.28 | 1  |          | 10/26/18 20:48 | 79-34-5     |      |
| Tetrachloroethene         | <0.33   | ug/L                        | 1.1    | 0.33 | 1  |          | 10/26/18 20:48 | 127-18-4    |      |
| Toluene                   | <0.17   | ug/L                        | 5.0    | 0.17 | 1  |          | 10/26/18 20:48 | 108-88-3    |      |
| 1,2,3-Trichlorobenzene    | <0.63   | ug/L                        | 5.0    | 0.63 | 1  |          | 10/26/18 20:48 | 87-61-6     |      |
| 1,2,4-Trichlorobenzene    | <0.95   | ug/L                        | 5.0    | 0.95 | 1  |          | 10/26/18 20:48 | 120-82-1    |      |
| 1,1,1-Trichloroethane     | <0.24   | ug/L                        | 1.0    | 0.24 | 1  |          | 10/26/18 20:48 | 71-55-6     |      |
| 1,1,2-Trichloroethane     | <0.55   | ug/L                        | 5.0    | 0.55 | 1  |          | 10/26/18 20:48 | 79-00-5     |      |
| Trichloroethene           | <0.26   | ug/L                        | 1.0    | 0.26 | 1  |          | 10/26/18 20:48 | 79-01-6     |      |
| Trichlorofluoromethane    | <0.21   | ug/L                        | 1.0    | 0.21 | 1  |          | 10/26/18 20:48 | 75-69-4     |      |
| 1,2,3-Trichloropropane    | <0.59   | ug/L                        | 5.0    | 0.59 | 1  |          | 10/26/18 20:48 | 96-18-4     |      |
| 1,2,4-Trimethylbenzene    | <0.84   | ug/L                        | 2.8    | 0.84 | 1  |          | 10/26/18 20:48 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene    | <0.87   | ug/L                        | 2.9    | 0.87 | 1  |          | 10/26/18 20:48 | 108-67-8    |      |
| Vinyl chloride            | <0.17   | ug/L                        | 1.0    | 0.17 | 1  |          | 10/26/18 20:48 | 75-01-4     |      |
| Xylene (Total)            | <1.5    | ug/L                        | 3.0    | 1.5  | 1  |          | 10/26/18 20:48 | 1330-20-7   |      |
| m&p-Xylene                | <0.47   | ug/L                        | 2.0    | 0.47 | 1  |          | 10/26/18 20:48 | 179601-23-1 |      |
| o-Xylene                  | <0.26   | ug/L                        | 1.0    | 0.26 | 1  |          | 10/26/18 20:48 | 95-47-6     |      |
| <b>Surrogates</b>         |         |                             |        |      |    |          |                |             |      |
| 4-Bromofluorobenzene (S)  | 89      | %                           | 70-130 |      | 1  |          | 10/26/18 20:48 | 460-00-4    |      |
| Dibromofluoromethane (S)  | 96      | %                           | 70-130 |      | 1  |          | 10/26/18 20:48 | 1868-53-7   |      |
| Toluene-d8 (S)            | 96      | %                           | 70-130 |      | 1  |          | 10/26/18 20:48 | 2037-26-5   |      |

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## ANALYTICAL RESULTS

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

**Sample: 669 CTH B**      **Lab ID: 40178374007**      Collected: 10/24/18 11:30      Received: 10/25/18 14:55      Matrix: Water

| Parameters                                  | Results | Units | LOQ  | LOD  | DF | Prepared | Analyzed       | CAS No.    | Qual |
|---|---------|-------|------|------|----|----------|----------------|------------|------|
| <b>8260 MSV</b> Analytical Method: EPA 8260 |         |       |      |      |    |          |                |            |      |
| Benzene                                     | <0.25   | ug/L  | 1.0  | 0.25 | 1  |          | 10/26/18 21:10 | 71-43-2    |      |
| Bromobenzene                                | <0.24   | ug/L  | 1.0  | 0.24 | 1  |          | 10/26/18 21:10 | 108-86-1   |      |
| Bromochloromethane                          | <0.36   | ug/L  | 5.0  | 0.36 | 1  |          | 10/26/18 21:10 | 74-97-5    |      |
| Bromodichloromethane                        | <0.36   | ug/L  | 1.2  | 0.36 | 1  |          | 10/26/18 21:10 | 75-27-4    |      |
| Bromoform                                   | <4.0    | ug/L  | 13.2 | 4.0  | 1  |          | 10/26/18 21:10 | 75-25-2    |      |
| Bromomethane                                | <0.97   | ug/L  | 5.0  | 0.97 | 1  |          | 10/26/18 21:10 | 74-83-9    |      |
| n-Butylbenzene                              | <0.71   | ug/L  | 2.4  | 0.71 | 1  |          | 10/26/18 21:10 | 104-51-8   |      |
| sec-Butylbenzene                            | <0.85   | ug/L  | 5.0  | 0.85 | 1  |          | 10/26/18 21:10 | 135-98-8   |      |
| tert-Butylbenzene                           | <0.30   | ug/L  | 1.0  | 0.30 | 1  |          | 10/26/18 21:10 | 98-06-6    |      |
| Carbon tetrachloride                        | <0.17   | ug/L  | 1.0  | 0.17 | 1  |          | 10/26/18 21:10 | 56-23-5    |      |
| Chlorobenzene                               | <0.71   | ug/L  | 2.4  | 0.71 | 1  |          | 10/26/18 21:10 | 108-90-7   |      |
| Chloroethane                                | <1.3    | ug/L  | 5.0  | 1.3  | 1  |          | 10/26/18 21:10 | 75-00-3    |      |
| Chloroform                                  | <1.3    | ug/L  | 5.0  | 1.3  | 1  |          | 10/26/18 21:10 | 67-66-3    |      |
| Chloromethane                               | <2.2    | ug/L  | 7.3  | 2.2  | 1  |          | 10/26/18 21:10 | 74-87-3    |      |
| 2-Chlorotoluene                             | <0.93   | ug/L  | 5.0  | 0.93 | 1  |          | 10/26/18 21:10 | 95-49-8    |      |
| 4-Chlorotoluene                             | <0.76   | ug/L  | 2.5  | 0.76 | 1  |          | 10/26/18 21:10 | 106-43-4   |      |
| 1,2-Dibromo-3-chloropropane                 | <1.8    | ug/L  | 5.9  | 1.8  | 1  |          | 10/26/18 21:10 | 96-12-8    |      |
| Dibromochloromethane                        | <2.6    | ug/L  | 8.7  | 2.6  | 1  |          | 10/26/18 21:10 | 124-48-1   |      |
| 1,2-Dibromoethane (EDB)                     | <0.83   | ug/L  | 2.8  | 0.83 | 1  |          | 10/26/18 21:10 | 106-93-4   |      |
| Dibromomethane                              | <0.94   | ug/L  | 3.1  | 0.94 | 1  |          | 10/26/18 21:10 | 74-95-3    |      |
| 1,2-Dichlorobenzene                         | <0.71   | ug/L  | 2.4  | 0.71 | 1  |          | 10/26/18 21:10 | 95-50-1    |      |
| 1,3-Dichlorobenzene                         | <0.63   | ug/L  | 2.1  | 0.63 | 1  |          | 10/26/18 21:10 | 541-73-1   |      |
| 1,4-Dichlorobenzene                         | <0.94   | ug/L  | 3.1  | 0.94 | 1  |          | 10/26/18 21:10 | 106-46-7   |      |
| Dichlorodifluoromethane                     | <0.50   | ug/L  | 5.0  | 0.50 | 1  |          | 10/26/18 21:10 | 75-71-8    |      |
| 1,1-Dichloroethane                          | <0.27   | ug/L  | 1.0  | 0.27 | 1  |          | 10/26/18 21:10 | 75-34-3    |      |
| 1,2-Dichloroethane                          | <0.28   | ug/L  | 1.0  | 0.28 | 1  |          | 10/26/18 21:10 | 107-06-2   |      |
| 1,1-Dichloroethene                          | <0.24   | ug/L  | 1.0  | 0.24 | 1  |          | 10/26/18 21:10 | 75-35-4    |      |
| cis-1,2-Dichloroethene                      | <0.27   | ug/L  | 1.0  | 0.27 | 1  |          | 10/26/18 21:10 | 156-59-2   |      |
| trans-1,2-Dichloroethene                    | <1.1    | ug/L  | 3.6  | 1.1  | 1  |          | 10/26/18 21:10 | 156-60-5   |      |
| 1,2-Dichloropropane                         | <0.28   | ug/L  | 1.0  | 0.28 | 1  |          | 10/26/18 21:10 | 78-87-5    |      |
| 1,3-Dichloropropane                         | <0.83   | ug/L  | 2.8  | 0.83 | 1  |          | 10/26/18 21:10 | 142-28-9   |      |
| 2,2-Dichloropropane                         | <2.3    | ug/L  | 7.6  | 2.3  | 1  |          | 10/26/18 21:10 | 594-20-7   |      |
| 1,1-Dichloropropene                         | <0.54   | ug/L  | 1.8  | 0.54 | 1  |          | 10/26/18 21:10 | 563-58-6   |      |
| cis-1,3-Dichloropropene                     | <3.6    | ug/L  | 12.1 | 3.6  | 1  |          | 10/26/18 21:10 | 10061-01-5 |      |
| trans-1,3-Dichloropropene                   | <4.4    | ug/L  | 14.6 | 4.4  | 1  |          | 10/26/18 21:10 | 10061-02-6 |      |
| Diisopropyl ether                           | <1.9    | ug/L  | 6.3  | 1.9  | 1  |          | 10/26/18 21:10 | 108-20-3   |      |
| Ethylbenzene                                | <0.22   | ug/L  | 1.0  | 0.22 | 1  |          | 10/26/18 21:10 | 100-41-4   |      |
| Hexachloro-1,3-butadiene                    | <1.2    | ug/L  | 5.0  | 1.2  | 1  |          | 10/26/18 21:10 | 87-68-3    |      |
| Isopropylbenzene (Cumene)                   | <0.39   | ug/L  | 5.0  | 0.39 | 1  |          | 10/26/18 21:10 | 98-82-8    |      |
| p-Isopropyltoluene                          | <0.80   | ug/L  | 2.7  | 0.80 | 1  |          | 10/26/18 21:10 | 99-87-6    |      |
| Methylene Chloride                          | <0.58   | ug/L  | 5.0  | 0.58 | 1  |          | 10/26/18 21:10 | 75-09-2    |      |
| Methyl-tert-butyl ether                     | <1.2    | ug/L  | 4.2  | 1.2  | 1  |          | 10/26/18 21:10 | 1634-04-4  |      |
| Naphthalene                                 | <1.2    | ug/L  | 5.0  | 1.2  | 1  |          | 10/26/18 21:10 | 91-20-3    |      |
| n-Propylbenzene                             | <0.81   | ug/L  | 5.0  | 0.81 | 1  |          | 10/26/18 21:10 | 103-65-1   |      |
| Styrene                                     | <0.47   | ug/L  | 1.6  | 0.47 | 1  |          | 10/26/18 21:10 | 100-42-5   |      |
| 1,1,1,2-Tetrachloroethane                   | <0.27   | ug/L  | 1.0  | 0.27 | 1  |          | 10/26/18 21:10 | 630-20-6   |      |

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### ANALYTICAL RESULTS

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

**Sample: 669 CTH B**      **Lab ID: 40178374007**      Collected: 10/24/18 11:30      Received: 10/25/18 14:55      Matrix: Water

| Parameters                | Results | Units                       | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---------------------------|---------|-----------------------------|--------|------|----|----------|----------------|-------------|------|
| <b>8260 MSV</b>           |         | Analytical Method: EPA 8260 |        |      |    |          |                |             |      |
| 1,1,2,2-Tetrachloroethane | <0.28   | ug/L                        | 1.0    | 0.28 | 1  |          | 10/26/18 21:10 | 79-34-5     |      |
| Tetrachloroethene         | <0.33   | ug/L                        | 1.1    | 0.33 | 1  |          | 10/26/18 21:10 | 127-18-4    |      |
| Toluene                   | <0.17   | ug/L                        | 5.0    | 0.17 | 1  |          | 10/26/18 21:10 | 108-88-3    |      |
| 1,2,3-Trichlorobenzene    | <0.63   | ug/L                        | 5.0    | 0.63 | 1  |          | 10/26/18 21:10 | 87-61-6     |      |
| 1,2,4-Trichlorobenzene    | <0.95   | ug/L                        | 5.0    | 0.95 | 1  |          | 10/26/18 21:10 | 120-82-1    |      |
| 1,1,1-Trichloroethane     | <0.24   | ug/L                        | 1.0    | 0.24 | 1  |          | 10/26/18 21:10 | 71-55-6     |      |
| 1,1,2-Trichloroethane     | <0.55   | ug/L                        | 5.0    | 0.55 | 1  |          | 10/26/18 21:10 | 79-00-5     |      |
| Trichloroethene           | <0.26   | ug/L                        | 1.0    | 0.26 | 1  |          | 10/26/18 21:10 | 79-01-6     |      |
| Trichlorofluoromethane    | <0.21   | ug/L                        | 1.0    | 0.21 | 1  |          | 10/26/18 21:10 | 75-69-4     |      |
| 1,2,3-Trichloropropane    | <0.59   | ug/L                        | 5.0    | 0.59 | 1  |          | 10/26/18 21:10 | 96-18-4     |      |
| 1,2,4-Trimethylbenzene    | <0.84   | ug/L                        | 2.8    | 0.84 | 1  |          | 10/26/18 21:10 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene    | <0.87   | ug/L                        | 2.9    | 0.87 | 1  |          | 10/26/18 21:10 | 108-67-8    |      |
| Vinyl chloride            | <0.17   | ug/L                        | 1.0    | 0.17 | 1  |          | 10/26/18 21:10 | 75-01-4     |      |
| Xylene (Total)            | <1.5    | ug/L                        | 3.0    | 1.5  | 1  |          | 10/26/18 21:10 | 1330-20-7   |      |
| m&p-Xylene                | <0.47   | ug/L                        | 2.0    | 0.47 | 1  |          | 10/26/18 21:10 | 179601-23-1 |      |
| o-Xylene                  | <0.26   | ug/L                        | 1.0    | 0.26 | 1  |          | 10/26/18 21:10 | 95-47-6     |      |
| <b>Surrogates</b>         |         |                             |        |      |    |          |                |             |      |
| 4-Bromofluorobenzene (S)  | 91      | %                           | 70-130 |      | 1  |          | 10/26/18 21:10 | 460-00-4    |      |
| Dibromofluoromethane (S)  | 98      | %                           | 70-130 |      | 1  |          | 10/26/18 21:10 | 1868-53-7   |      |
| Toluene-d8 (S)            | 100     | %                           | 70-130 |      | 1  |          | 10/26/18 21:10 | 2037-26-5   |      |

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## ANALYTICAL RESULTS

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

**Sample: 669 CTH BD**      **Lab ID: 40178374008**      Collected: 10/24/18 11:32      Received: 10/25/18 14:55      Matrix: Water

| Parameters                  | Results | Units                       | LOQ  | LOD  | DF | Prepared | Analyzed       | CAS No.    | Qual |
|-----------------------------|---------|-----------------------------|------|------|----|----------|----------------|------------|------|
| <b>8260 MSV</b>             |         | Analytical Method: EPA 8260 |      |      |    |          |                |            |      |
| Benzene                     | <0.25   | ug/L                        | 1.0  | 0.25 | 1  |          | 10/26/18 21:32 | 71-43-2    |      |
| Bromobenzene                | <0.24   | ug/L                        | 1.0  | 0.24 | 1  |          | 10/26/18 21:32 | 108-86-1   |      |
| Bromochloromethane          | <0.36   | ug/L                        | 5.0  | 0.36 | 1  |          | 10/26/18 21:32 | 74-97-5    |      |
| Bromodichloromethane        | <0.36   | ug/L                        | 1.2  | 0.36 | 1  |          | 10/26/18 21:32 | 75-27-4    |      |
| Bromoform                   | <4.0    | ug/L                        | 13.2 | 4.0  | 1  |          | 10/26/18 21:32 | 75-25-2    |      |
| Bromomethane                | <0.97   | ug/L                        | 5.0  | 0.97 | 1  |          | 10/26/18 21:32 | 74-83-9    |      |
| n-Butylbenzene              | <0.71   | ug/L                        | 2.4  | 0.71 | 1  |          | 10/26/18 21:32 | 104-51-8   |      |
| sec-Butylbenzene            | <0.85   | ug/L                        | 5.0  | 0.85 | 1  |          | 10/26/18 21:32 | 135-98-8   |      |
| tert-Butylbenzene           | <0.30   | ug/L                        | 1.0  | 0.30 | 1  |          | 10/26/18 21:32 | 98-06-6    |      |
| Carbon tetrachloride        | <0.17   | ug/L                        | 1.0  | 0.17 | 1  |          | 10/26/18 21:32 | 56-23-5    |      |
| Chlorobenzene               | <0.71   | ug/L                        | 2.4  | 0.71 | 1  |          | 10/26/18 21:32 | 108-90-7   |      |
| Chloroethane                | <1.3    | ug/L                        | 5.0  | 1.3  | 1  |          | 10/26/18 21:32 | 75-00-3    |      |
| Chloroform                  | <1.3    | ug/L                        | 5.0  | 1.3  | 1  |          | 10/26/18 21:32 | 67-66-3    |      |
| Chloromethane               | <2.2    | ug/L                        | 7.3  | 2.2  | 1  |          | 10/26/18 21:32 | 74-87-3    |      |
| 2-Chlorotoluene             | <0.93   | ug/L                        | 5.0  | 0.93 | 1  |          | 10/26/18 21:32 | 95-49-8    |      |
| 4-Chlorotoluene             | <0.76   | ug/L                        | 2.5  | 0.76 | 1  |          | 10/26/18 21:32 | 106-43-4   |      |
| 1,2-Dibromo-3-chloropropane | <1.8    | ug/L                        | 5.9  | 1.8  | 1  |          | 10/26/18 21:32 | 96-12-8    |      |
| Dibromochloromethane        | <2.6    | ug/L                        | 8.7  | 2.6  | 1  |          | 10/26/18 21:32 | 124-48-1   |      |
| 1,2-Dibromoethane (EDB)     | <0.83   | ug/L                        | 2.8  | 0.83 | 1  |          | 10/26/18 21:32 | 106-93-4   |      |
| Dibromomethane              | <0.94   | ug/L                        | 3.1  | 0.94 | 1  |          | 10/26/18 21:32 | 74-95-3    |      |
| 1,2-Dichlorobenzene         | <0.71   | ug/L                        | 2.4  | 0.71 | 1  |          | 10/26/18 21:32 | 95-50-1    |      |
| 1,3-Dichlorobenzene         | <0.63   | ug/L                        | 2.1  | 0.63 | 1  |          | 10/26/18 21:32 | 541-73-1   |      |
| 1,4-Dichlorobenzene         | <0.94   | ug/L                        | 3.1  | 0.94 | 1  |          | 10/26/18 21:32 | 106-46-7   |      |
| Dichlorodifluoromethane     | <0.50   | ug/L                        | 5.0  | 0.50 | 1  |          | 10/26/18 21:32 | 75-71-8    |      |
| 1,1-Dichloroethane          | <0.27   | ug/L                        | 1.0  | 0.27 | 1  |          | 10/26/18 21:32 | 75-34-3    |      |
| 1,2-Dichloroethane          | <0.28   | ug/L                        | 1.0  | 0.28 | 1  |          | 10/26/18 21:32 | 107-06-2   |      |
| 1,1-Dichloroethene          | <0.24   | ug/L                        | 1.0  | 0.24 | 1  |          | 10/26/18 21:32 | 75-35-4    |      |
| cis-1,2-Dichloroethene      | <0.27   | ug/L                        | 1.0  | 0.27 | 1  |          | 10/26/18 21:32 | 156-59-2   |      |
| trans-1,2-Dichloroethene    | <1.1    | ug/L                        | 3.6  | 1.1  | 1  |          | 10/26/18 21:32 | 156-60-5   |      |
| 1,2-Dichloropropane         | <0.28   | ug/L                        | 1.0  | 0.28 | 1  |          | 10/26/18 21:32 | 78-87-5    |      |
| 1,3-Dichloropropane         | <0.83   | ug/L                        | 2.8  | 0.83 | 1  |          | 10/26/18 21:32 | 142-28-9   |      |
| 2,2-Dichloropropane         | <2.3    | ug/L                        | 7.6  | 2.3  | 1  |          | 10/26/18 21:32 | 594-20-7   |      |
| 1,1-Dichloropropene         | <0.54   | ug/L                        | 1.8  | 0.54 | 1  |          | 10/26/18 21:32 | 563-58-6   |      |
| cis-1,3-Dichloropropene     | <3.6    | ug/L                        | 12.1 | 3.6  | 1  |          | 10/26/18 21:32 | 10061-01-5 |      |
| trans-1,3-Dichloropropene   | <4.4    | ug/L                        | 14.6 | 4.4  | 1  |          | 10/26/18 21:32 | 10061-02-6 |      |
| Diisopropyl ether           | <1.9    | ug/L                        | 6.3  | 1.9  | 1  |          | 10/26/18 21:32 | 108-20-3   |      |
| Ethylbenzene                | <0.22   | ug/L                        | 1.0  | 0.22 | 1  |          | 10/26/18 21:32 | 100-41-4   |      |
| Hexachloro-1,3-butadiene    | <1.2    | ug/L                        | 5.0  | 1.2  | 1  |          | 10/26/18 21:32 | 87-68-3    |      |
| Isopropylbenzene (Cumene)   | <0.39   | ug/L                        | 5.0  | 0.39 | 1  |          | 10/26/18 21:32 | 98-82-8    |      |
| p-Isopropyltoluene          | <0.80   | ug/L                        | 2.7  | 0.80 | 1  |          | 10/26/18 21:32 | 99-87-6    |      |
| Methylene Chloride          | <0.58   | ug/L                        | 5.0  | 0.58 | 1  |          | 10/26/18 21:32 | 75-09-2    |      |
| Methyl-tert-butyl ether     | <1.2    | ug/L                        | 4.2  | 1.2  | 1  |          | 10/26/18 21:32 | 1634-04-4  |      |
| Naphthalene                 | <1.2    | ug/L                        | 5.0  | 1.2  | 1  |          | 10/26/18 21:32 | 91-20-3    |      |
| n-Propylbenzene             | <0.81   | ug/L                        | 5.0  | 0.81 | 1  |          | 10/26/18 21:32 | 103-65-1   |      |
| Styrene                     | <0.47   | ug/L                        | 1.6  | 0.47 | 1  |          | 10/26/18 21:32 | 100-42-5   |      |
| 1,1,1,2-Tetrachloroethane   | <0.27   | ug/L                        | 1.0  | 0.27 | 1  |          | 10/26/18 21:32 | 630-20-6   |      |

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### ANALYTICAL RESULTS

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

**Sample: 669 CTH BD**      **Lab ID: 40178374008**      Collected: 10/24/18 11:32      Received: 10/25/18 14:55      Matrix: Water

| Parameters                                  | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---|---------|-------|--------|------|----|----------|----------------|-------------|------|
| <b>8260 MSV</b> Analytical Method: EPA 8260 |         |       |        |      |    |          |                |             |      |
| 1,1,2,2-Tetrachloroethane                   | <0.28   | ug/L  | 1.0    | 0.28 | 1  |          | 10/26/18 21:32 | 79-34-5     |      |
| Tetrachloroethene                           | <0.33   | ug/L  | 1.1    | 0.33 | 1  |          | 10/26/18 21:32 | 127-18-4    |      |
| Toluene                                     | <0.17   | ug/L  | 5.0    | 0.17 | 1  |          | 10/26/18 21:32 | 108-88-3    |      |
| 1,2,3-Trichlorobenzene                      | <0.63   | ug/L  | 5.0    | 0.63 | 1  |          | 10/26/18 21:32 | 87-61-6     |      |
| 1,2,4-Trichlorobenzene                      | <0.95   | ug/L  | 5.0    | 0.95 | 1  |          | 10/26/18 21:32 | 120-82-1    |      |
| 1,1,1-Trichloroethane                       | <0.24   | ug/L  | 1.0    | 0.24 | 1  |          | 10/26/18 21:32 | 71-55-6     |      |
| 1,1,2-Trichloroethane                       | <0.55   | ug/L  | 5.0    | 0.55 | 1  |          | 10/26/18 21:32 | 79-00-5     |      |
| Trichloroethene                             | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 10/26/18 21:32 | 79-01-6     |      |
| Trichlorofluoromethane                      | <0.21   | ug/L  | 1.0    | 0.21 | 1  |          | 10/26/18 21:32 | 75-69-4     |      |
| 1,2,3-Trichloropropane                      | <0.59   | ug/L  | 5.0    | 0.59 | 1  |          | 10/26/18 21:32 | 96-18-4     |      |
| 1,2,4-Trimethylbenzene                      | <0.84   | ug/L  | 2.8    | 0.84 | 1  |          | 10/26/18 21:32 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene                      | <0.87   | ug/L  | 2.9    | 0.87 | 1  |          | 10/26/18 21:32 | 108-67-8    |      |
| Vinyl chloride                              | <0.17   | ug/L  | 1.0    | 0.17 | 1  |          | 10/26/18 21:32 | 75-01-4     |      |
| Xylene (Total)                              | <1.5    | ug/L  | 3.0    | 1.5  | 1  |          | 10/26/18 21:32 | 1330-20-7   |      |
| m&p-Xylene                                  | <0.47   | ug/L  | 2.0    | 0.47 | 1  |          | 10/26/18 21:32 | 179601-23-1 |      |
| o-Xylene                                    | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 10/26/18 21:32 | 95-47-6     |      |
| <b>Surrogates</b>                           |         |       |        |      |    |          |                |             |      |
| 4-Bromofluorobenzene (S)                    | 84      | %     | 70-130 |      | 1  |          | 10/26/18 21:32 | 460-00-4    |      |
| Dibromofluoromethane (S)                    | 99      | %     | 70-130 |      | 1  |          | 10/26/18 21:32 | 1868-53-7   |      |
| Toluene-d8 (S)                              | 96      | %     | 70-130 |      | 1  |          | 10/26/18 21:32 | 2037-26-5   |      |

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## ANALYTICAL RESULTS

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

**Sample: 626 CTH B**      **Lab ID: 40178374009**      Collected: 10/24/18 11:45      Received: 10/25/18 14:55      Matrix: Water

| Parameters                  | Results | Units                       | LOQ  | LOD  | DF | Prepared | Analyzed       | CAS No.    | Qual |
|-----------------------------|---------|-----------------------------|------|------|----|----------|----------------|------------|------|
| <b>8260 MSV</b>             |         | Analytical Method: EPA 8260 |      |      |    |          |                |            |      |
| Benzene                     | <0.25   | ug/L                        | 1.0  | 0.25 | 1  |          | 10/26/18 21:54 | 71-43-2    |      |
| Bromobenzene                | <0.24   | ug/L                        | 1.0  | 0.24 | 1  |          | 10/26/18 21:54 | 108-86-1   |      |
| Bromochloromethane          | <0.36   | ug/L                        | 5.0  | 0.36 | 1  |          | 10/26/18 21:54 | 74-97-5    |      |
| Bromodichloromethane        | <0.36   | ug/L                        | 1.2  | 0.36 | 1  |          | 10/26/18 21:54 | 75-27-4    |      |
| Bromoform                   | <4.0    | ug/L                        | 13.2 | 4.0  | 1  |          | 10/26/18 21:54 | 75-25-2    |      |
| Bromomethane                | <0.97   | ug/L                        | 5.0  | 0.97 | 1  |          | 10/26/18 21:54 | 74-83-9    |      |
| n-Butylbenzene              | <0.71   | ug/L                        | 2.4  | 0.71 | 1  |          | 10/26/18 21:54 | 104-51-8   |      |
| sec-Butylbenzene            | <0.85   | ug/L                        | 5.0  | 0.85 | 1  |          | 10/26/18 21:54 | 135-98-8   |      |
| tert-Butylbenzene           | <0.30   | ug/L                        | 1.0  | 0.30 | 1  |          | 10/26/18 21:54 | 98-06-6    |      |
| Carbon tetrachloride        | <0.17   | ug/L                        | 1.0  | 0.17 | 1  |          | 10/26/18 21:54 | 56-23-5    |      |
| Chlorobenzene               | <0.71   | ug/L                        | 2.4  | 0.71 | 1  |          | 10/26/18 21:54 | 108-90-7   |      |
| Chloroethane                | <1.3    | ug/L                        | 5.0  | 1.3  | 1  |          | 10/26/18 21:54 | 75-00-3    |      |
| Chloroform                  | <1.3    | ug/L                        | 5.0  | 1.3  | 1  |          | 10/26/18 21:54 | 67-66-3    |      |
| Chloromethane               | <2.2    | ug/L                        | 7.3  | 2.2  | 1  |          | 10/26/18 21:54 | 74-87-3    |      |
| 2-Chlorotoluene             | <0.93   | ug/L                        | 5.0  | 0.93 | 1  |          | 10/26/18 21:54 | 95-49-8    |      |
| 4-Chlorotoluene             | <0.76   | ug/L                        | 2.5  | 0.76 | 1  |          | 10/26/18 21:54 | 106-43-4   |      |
| 1,2-Dibromo-3-chloropropane | <1.8    | ug/L                        | 5.9  | 1.8  | 1  |          | 10/26/18 21:54 | 96-12-8    |      |
| Dibromochloromethane        | <2.6    | ug/L                        | 8.7  | 2.6  | 1  |          | 10/26/18 21:54 | 124-48-1   |      |
| 1,2-Dibromoethane (EDB)     | <0.83   | ug/L                        | 2.8  | 0.83 | 1  |          | 10/26/18 21:54 | 106-93-4   |      |
| Dibromomethane              | <0.94   | ug/L                        | 3.1  | 0.94 | 1  |          | 10/26/18 21:54 | 74-95-3    |      |
| 1,2-Dichlorobenzene         | <0.71   | ug/L                        | 2.4  | 0.71 | 1  |          | 10/26/18 21:54 | 95-50-1    |      |
| 1,3-Dichlorobenzene         | <0.63   | ug/L                        | 2.1  | 0.63 | 1  |          | 10/26/18 21:54 | 541-73-1   |      |
| 1,4-Dichlorobenzene         | <0.94   | ug/L                        | 3.1  | 0.94 | 1  |          | 10/26/18 21:54 | 106-46-7   |      |
| Dichlorodifluoromethane     | <0.50   | ug/L                        | 5.0  | 0.50 | 1  |          | 10/26/18 21:54 | 75-71-8    |      |
| 1,1-Dichloroethane          | <0.27   | ug/L                        | 1.0  | 0.27 | 1  |          | 10/26/18 21:54 | 75-34-3    |      |
| 1,2-Dichloroethane          | <0.28   | ug/L                        | 1.0  | 0.28 | 1  |          | 10/26/18 21:54 | 107-06-2   |      |
| 1,1-Dichloroethene          | <0.24   | ug/L                        | 1.0  | 0.24 | 1  |          | 10/26/18 21:54 | 75-35-4    |      |
| cis-1,2-Dichloroethene      | <0.27   | ug/L                        | 1.0  | 0.27 | 1  |          | 10/26/18 21:54 | 156-59-2   |      |
| trans-1,2-Dichloroethene    | <1.1    | ug/L                        | 3.6  | 1.1  | 1  |          | 10/26/18 21:54 | 156-60-5   |      |
| 1,2-Dichloropropane         | <0.28   | ug/L                        | 1.0  | 0.28 | 1  |          | 10/26/18 21:54 | 78-87-5    |      |
| 1,3-Dichloropropane         | <0.83   | ug/L                        | 2.8  | 0.83 | 1  |          | 10/26/18 21:54 | 142-28-9   |      |
| 2,2-Dichloropropane         | <2.3    | ug/L                        | 7.6  | 2.3  | 1  |          | 10/26/18 21:54 | 594-20-7   |      |
| 1,1-Dichloropropene         | <0.54   | ug/L                        | 1.8  | 0.54 | 1  |          | 10/26/18 21:54 | 563-58-6   |      |
| cis-1,3-Dichloropropene     | <3.6    | ug/L                        | 12.1 | 3.6  | 1  |          | 10/26/18 21:54 | 10061-01-5 |      |
| trans-1,3-Dichloropropene   | <4.4    | ug/L                        | 14.6 | 4.4  | 1  |          | 10/26/18 21:54 | 10061-02-6 |      |
| Diisopropyl ether           | <1.9    | ug/L                        | 6.3  | 1.9  | 1  |          | 10/26/18 21:54 | 108-20-3   |      |
| Ethylbenzene                | <0.22   | ug/L                        | 1.0  | 0.22 | 1  |          | 10/26/18 21:54 | 100-41-4   |      |
| Hexachloro-1,3-butadiene    | <1.2    | ug/L                        | 5.0  | 1.2  | 1  |          | 10/26/18 21:54 | 87-68-3    |      |
| Isopropylbenzene (Cumene)   | <0.39   | ug/L                        | 5.0  | 0.39 | 1  |          | 10/26/18 21:54 | 98-82-8    |      |
| p-Isopropyltoluene          | <0.80   | ug/L                        | 2.7  | 0.80 | 1  |          | 10/26/18 21:54 | 99-87-6    |      |
| Methylene Chloride          | <0.58   | ug/L                        | 5.0  | 0.58 | 1  |          | 10/26/18 21:54 | 75-09-2    |      |
| Methyl-tert-butyl ether     | <1.2    | ug/L                        | 4.2  | 1.2  | 1  |          | 10/26/18 21:54 | 1634-04-4  |      |
| Naphthalene                 | <1.2    | ug/L                        | 5.0  | 1.2  | 1  |          | 10/26/18 21:54 | 91-20-3    |      |
| n-Propylbenzene             | <0.81   | ug/L                        | 5.0  | 0.81 | 1  |          | 10/26/18 21:54 | 103-65-1   |      |
| Styrene                     | <0.47   | ug/L                        | 1.6  | 0.47 | 1  |          | 10/26/18 21:54 | 100-42-5   |      |
| 1,1,1,2-Tetrachloroethane   | <0.27   | ug/L                        | 1.0  | 0.27 | 1  |          | 10/26/18 21:54 | 630-20-6   |      |

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### ANALYTICAL RESULTS

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

**Sample: 626 CTH B**      **Lab ID: 40178374009**      Collected: 10/24/18 11:45      Received: 10/25/18 14:55      Matrix: Water

| Parameters                | Results | Units                       | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---------------------------|---------|-----------------------------|--------|------|----|----------|----------------|-------------|------|
| <b>8260 MSV</b>           |         | Analytical Method: EPA 8260 |        |      |    |          |                |             |      |
| 1,1,2,2-Tetrachloroethane | <0.28   | ug/L                        | 1.0    | 0.28 | 1  |          | 10/26/18 21:54 | 79-34-5     |      |
| Tetrachloroethene         | <0.33   | ug/L                        | 1.1    | 0.33 | 1  |          | 10/26/18 21:54 | 127-18-4    |      |
| Toluene                   | <0.17   | ug/L                        | 5.0    | 0.17 | 1  |          | 10/26/18 21:54 | 108-88-3    |      |
| 1,2,3-Trichlorobenzene    | <0.63   | ug/L                        | 5.0    | 0.63 | 1  |          | 10/26/18 21:54 | 87-61-6     |      |
| 1,2,4-Trichlorobenzene    | <0.95   | ug/L                        | 5.0    | 0.95 | 1  |          | 10/26/18 21:54 | 120-82-1    |      |
| 1,1,1-Trichloroethane     | <0.24   | ug/L                        | 1.0    | 0.24 | 1  |          | 10/26/18 21:54 | 71-55-6     |      |
| 1,1,2-Trichloroethane     | <0.55   | ug/L                        | 5.0    | 0.55 | 1  |          | 10/26/18 21:54 | 79-00-5     |      |
| Trichloroethene           | <0.26   | ug/L                        | 1.0    | 0.26 | 1  |          | 10/26/18 21:54 | 79-01-6     |      |
| Trichlorofluoromethane    | <0.21   | ug/L                        | 1.0    | 0.21 | 1  |          | 10/26/18 21:54 | 75-69-4     |      |
| 1,2,3-Trichloropropane    | <0.59   | ug/L                        | 5.0    | 0.59 | 1  |          | 10/26/18 21:54 | 96-18-4     |      |
| 1,2,4-Trimethylbenzene    | <0.84   | ug/L                        | 2.8    | 0.84 | 1  |          | 10/26/18 21:54 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene    | <0.87   | ug/L                        | 2.9    | 0.87 | 1  |          | 10/26/18 21:54 | 108-67-8    |      |
| Vinyl chloride            | <0.17   | ug/L                        | 1.0    | 0.17 | 1  |          | 10/26/18 21:54 | 75-01-4     |      |
| Xylene (Total)            | <1.5    | ug/L                        | 3.0    | 1.5  | 1  |          | 10/26/18 21:54 | 1330-20-7   |      |
| m&p-Xylene                | <0.47   | ug/L                        | 2.0    | 0.47 | 1  |          | 10/26/18 21:54 | 179601-23-1 |      |
| o-Xylene                  | <0.26   | ug/L                        | 1.0    | 0.26 | 1  |          | 10/26/18 21:54 | 95-47-6     |      |
| <b>Surrogates</b>         |         |                             |        |      |    |          |                |             |      |
| 4-Bromofluorobenzene (S)  | 90      | %                           | 70-130 |      | 1  |          | 10/26/18 21:54 | 460-00-4    |      |
| Dibromofluoromethane (S)  | 98      | %                           | 70-130 |      | 1  |          | 10/26/18 21:54 | 1868-53-7   |      |
| Toluene-d8 (S)            | 98      | %                           | 70-130 |      | 1  |          | 10/26/18 21:54 | 2037-26-5   |      |

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### ANALYTICAL RESULTS

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

**Sample: 642R CTH B**      **Lab ID: 40178374010**      Collected: 10/24/18 12:00      Received: 10/25/18 14:55      Matrix: Water

| Parameters                                  | Results | Units | LOQ  | LOD  | DF | Prepared | Analyzed       | CAS No.    | Qual |
|---|---------|-------|------|------|----|----------|----------------|------------|------|
| <b>8260 MSV</b> Analytical Method: EPA 8260 |         |       |      |      |    |          |                |            |      |
| Benzene                                     | <0.25   | ug/L  | 1.0  | 0.25 | 1  |          | 10/26/18 22:17 | 71-43-2    |      |
| Bromobenzene                                | <0.24   | ug/L  | 1.0  | 0.24 | 1  |          | 10/26/18 22:17 | 108-86-1   |      |
| Bromochloromethane                          | <0.36   | ug/L  | 5.0  | 0.36 | 1  |          | 10/26/18 22:17 | 74-97-5    |      |
| Bromodichloromethane                        | <0.36   | ug/L  | 1.2  | 0.36 | 1  |          | 10/26/18 22:17 | 75-27-4    |      |
| Bromoform                                   | <4.0    | ug/L  | 13.2 | 4.0  | 1  |          | 10/26/18 22:17 | 75-25-2    |      |
| Bromomethane                                | <0.97   | ug/L  | 5.0  | 0.97 | 1  |          | 10/26/18 22:17 | 74-83-9    |      |
| n-Butylbenzene                              | <0.71   | ug/L  | 2.4  | 0.71 | 1  |          | 10/26/18 22:17 | 104-51-8   |      |
| sec-Butylbenzene                            | <0.85   | ug/L  | 5.0  | 0.85 | 1  |          | 10/26/18 22:17 | 135-98-8   |      |
| tert-Butylbenzene                           | <0.30   | ug/L  | 1.0  | 0.30 | 1  |          | 10/26/18 22:17 | 98-06-6    |      |
| Carbon tetrachloride                        | <0.17   | ug/L  | 1.0  | 0.17 | 1  |          | 10/26/18 22:17 | 56-23-5    |      |
| Chlorobenzene                               | <0.71   | ug/L  | 2.4  | 0.71 | 1  |          | 10/26/18 22:17 | 108-90-7   |      |
| Chloroethane                                | <1.3    | ug/L  | 5.0  | 1.3  | 1  |          | 10/26/18 22:17 | 75-00-3    |      |
| Chloroform                                  | <1.3    | ug/L  | 5.0  | 1.3  | 1  |          | 10/26/18 22:17 | 67-66-3    |      |
| Chloromethane                               | <2.2    | ug/L  | 7.3  | 2.2  | 1  |          | 10/26/18 22:17 | 74-87-3    |      |
| 2-Chlorotoluene                             | <0.93   | ug/L  | 5.0  | 0.93 | 1  |          | 10/26/18 22:17 | 95-49-8    |      |
| 4-Chlorotoluene                             | <0.76   | ug/L  | 2.5  | 0.76 | 1  |          | 10/26/18 22:17 | 106-43-4   |      |
| 1,2-Dibromo-3-chloropropane                 | <1.8    | ug/L  | 5.9  | 1.8  | 1  |          | 10/26/18 22:17 | 96-12-8    |      |
| Dibromochloromethane                        | <2.6    | ug/L  | 8.7  | 2.6  | 1  |          | 10/26/18 22:17 | 124-48-1   |      |
| 1,2-Dibromoethane (EDB)                     | <0.83   | ug/L  | 2.8  | 0.83 | 1  |          | 10/26/18 22:17 | 106-93-4   |      |
| Dibromomethane                              | <0.94   | ug/L  | 3.1  | 0.94 | 1  |          | 10/26/18 22:17 | 74-95-3    |      |
| 1,2-Dichlorobenzene                         | <0.71   | ug/L  | 2.4  | 0.71 | 1  |          | 10/26/18 22:17 | 95-50-1    |      |
| 1,3-Dichlorobenzene                         | <0.63   | ug/L  | 2.1  | 0.63 | 1  |          | 10/26/18 22:17 | 541-73-1   |      |
| 1,4-Dichlorobenzene                         | <0.94   | ug/L  | 3.1  | 0.94 | 1  |          | 10/26/18 22:17 | 106-46-7   |      |
| Dichlorodifluoromethane                     | <0.50   | ug/L  | 5.0  | 0.50 | 1  |          | 10/26/18 22:17 | 75-71-8    |      |
| 1,1-Dichloroethane                          | <0.27   | ug/L  | 1.0  | 0.27 | 1  |          | 10/26/18 22:17 | 75-34-3    |      |
| 1,2-Dichloroethane                          | <0.28   | ug/L  | 1.0  | 0.28 | 1  |          | 10/26/18 22:17 | 107-06-2   |      |
| 1,1-Dichloroethene                          | <0.24   | ug/L  | 1.0  | 0.24 | 1  |          | 10/26/18 22:17 | 75-35-4    |      |
| cis-1,2-Dichloroethene                      | <0.27   | ug/L  | 1.0  | 0.27 | 1  |          | 10/26/18 22:17 | 156-59-2   |      |
| trans-1,2-Dichloroethene                    | <1.1    | ug/L  | 3.6  | 1.1  | 1  |          | 10/26/18 22:17 | 156-60-5   |      |
| 1,2-Dichloropropane                         | <0.28   | ug/L  | 1.0  | 0.28 | 1  |          | 10/26/18 22:17 | 78-87-5    |      |
| 1,3-Dichloropropane                         | <0.83   | ug/L  | 2.8  | 0.83 | 1  |          | 10/26/18 22:17 | 142-28-9   |      |
| 2,2-Dichloropropane                         | <2.3    | ug/L  | 7.6  | 2.3  | 1  |          | 10/26/18 22:17 | 594-20-7   |      |
| 1,1-Dichloropropene                         | <0.54   | ug/L  | 1.8  | 0.54 | 1  |          | 10/26/18 22:17 | 563-58-6   |      |
| cis-1,3-Dichloropropene                     | <3.6    | ug/L  | 12.1 | 3.6  | 1  |          | 10/26/18 22:17 | 10061-01-5 |      |
| trans-1,3-Dichloropropene                   | <4.4    | ug/L  | 14.6 | 4.4  | 1  |          | 10/26/18 22:17 | 10061-02-6 |      |
| Diisopropyl ether                           | <1.9    | ug/L  | 6.3  | 1.9  | 1  |          | 10/26/18 22:17 | 108-20-3   |      |
| Ethylbenzene                                | <0.22   | ug/L  | 1.0  | 0.22 | 1  |          | 10/26/18 22:17 | 100-41-4   |      |
| Hexachloro-1,3-butadiene                    | <1.2    | ug/L  | 5.0  | 1.2  | 1  |          | 10/26/18 22:17 | 87-68-3    |      |
| Isopropylbenzene (Cumene)                   | <0.39   | ug/L  | 5.0  | 0.39 | 1  |          | 10/26/18 22:17 | 98-82-8    |      |
| p-Isopropyltoluene                          | <0.80   | ug/L  | 2.7  | 0.80 | 1  |          | 10/26/18 22:17 | 99-87-6    |      |
| Methylene Chloride                          | <0.58   | ug/L  | 5.0  | 0.58 | 1  |          | 10/26/18 22:17 | 75-09-2    |      |
| Methyl-tert-butyl ether                     | <1.2    | ug/L  | 4.2  | 1.2  | 1  |          | 10/26/18 22:17 | 1634-04-4  |      |
| Naphthalene                                 | <1.2    | ug/L  | 5.0  | 1.2  | 1  |          | 10/26/18 22:17 | 91-20-3    |      |
| n-Propylbenzene                             | <0.81   | ug/L  | 5.0  | 0.81 | 1  |          | 10/26/18 22:17 | 103-65-1   |      |
| Styrene                                     | <0.47   | ug/L  | 1.6  | 0.47 | 1  |          | 10/26/18 22:17 | 100-42-5   |      |
| 1,1,1,2-Tetrachloroethane                   | <0.27   | ug/L  | 1.0  | 0.27 | 1  |          | 10/26/18 22:17 | 630-20-6   |      |

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## ANALYTICAL RESULTS

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

**Sample: 642R CTH B**      **Lab ID: 40178374010**      Collected: 10/24/18 12:00      Received: 10/25/18 14:55      Matrix: Water

| Parameters                | Results | Units                       | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---------------------------|---------|-----------------------------|--------|------|----|----------|----------------|-------------|------|
| <b>8260 MSV</b>           |         | Analytical Method: EPA 8260 |        |      |    |          |                |             |      |
| 1,1,2,2-Tetrachloroethane | <0.28   | ug/L                        | 1.0    | 0.28 | 1  |          | 10/26/18 22:17 | 79-34-5     |      |
| Tetrachloroethene         | <0.33   | ug/L                        | 1.1    | 0.33 | 1  |          | 10/26/18 22:17 | 127-18-4    |      |
| Toluene                   | <0.17   | ug/L                        | 5.0    | 0.17 | 1  |          | 10/26/18 22:17 | 108-88-3    |      |
| 1,2,3-Trichlorobenzene    | <0.63   | ug/L                        | 5.0    | 0.63 | 1  |          | 10/26/18 22:17 | 87-61-6     |      |
| 1,2,4-Trichlorobenzene    | <0.95   | ug/L                        | 5.0    | 0.95 | 1  |          | 10/26/18 22:17 | 120-82-1    |      |
| 1,1,1-Trichloroethane     | <0.24   | ug/L                        | 1.0    | 0.24 | 1  |          | 10/26/18 22:17 | 71-55-6     |      |
| 1,1,2-Trichloroethane     | <0.55   | ug/L                        | 5.0    | 0.55 | 1  |          | 10/26/18 22:17 | 79-00-5     |      |
| Trichloroethene           | <0.26   | ug/L                        | 1.0    | 0.26 | 1  |          | 10/26/18 22:17 | 79-01-6     |      |
| Trichlorofluoromethane    | <0.21   | ug/L                        | 1.0    | 0.21 | 1  |          | 10/26/18 22:17 | 75-69-4     |      |
| 1,2,3-Trichloropropane    | <0.59   | ug/L                        | 5.0    | 0.59 | 1  |          | 10/26/18 22:17 | 96-18-4     |      |
| 1,2,4-Trimethylbenzene    | <0.84   | ug/L                        | 2.8    | 0.84 | 1  |          | 10/26/18 22:17 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene    | <0.87   | ug/L                        | 2.9    | 0.87 | 1  |          | 10/26/18 22:17 | 108-67-8    |      |
| Vinyl chloride            | <0.17   | ug/L                        | 1.0    | 0.17 | 1  |          | 10/26/18 22:17 | 75-01-4     |      |
| Xylene (Total)            | <1.5    | ug/L                        | 3.0    | 1.5  | 1  |          | 10/26/18 22:17 | 1330-20-7   |      |
| m&p-Xylene                | <0.47   | ug/L                        | 2.0    | 0.47 | 1  |          | 10/26/18 22:17 | 179601-23-1 |      |
| o-Xylene                  | <0.26   | ug/L                        | 1.0    | 0.26 | 1  |          | 10/26/18 22:17 | 95-47-6     |      |
| <b>Surrogates</b>         |         |                             |        |      |    |          |                |             |      |
| 4-Bromofluorobenzene (S)  | 85      | %                           | 70-130 |      | 1  |          | 10/26/18 22:17 | 460-00-4    |      |
| Dibromofluoromethane (S)  | 98      | %                           | 70-130 |      | 1  |          | 10/26/18 22:17 | 1868-53-7   |      |
| Toluene-d8 (S)            | 98      | %                           | 70-130 |      | 1  |          | 10/26/18 22:17 | 2037-26-5   |      |

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### ANALYTICAL RESULTS

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

**Sample: 652R CTH B**      **Lab ID: 40178374011**      Collected: 10/24/18 12:15      Received: 10/25/18 14:55      Matrix: Water

| Parameters                  | Results | Units                       | LOQ  | LOD  | DF | Prepared | Analyzed       | CAS No.    | Qual |
|-----------------------------|---------|-----------------------------|------|------|----|----------|----------------|------------|------|
| <b>8260 MSV</b>             |         | Analytical Method: EPA 8260 |      |      |    |          |                |            |      |
| Benzene                     | <0.25   | ug/L                        | 1.0  | 0.25 | 1  |          | 10/26/18 22:39 | 71-43-2    |      |
| Bromobenzene                | <0.24   | ug/L                        | 1.0  | 0.24 | 1  |          | 10/26/18 22:39 | 108-86-1   |      |
| Bromochloromethane          | <0.36   | ug/L                        | 5.0  | 0.36 | 1  |          | 10/26/18 22:39 | 74-97-5    |      |
| Bromodichloromethane        | <0.36   | ug/L                        | 1.2  | 0.36 | 1  |          | 10/26/18 22:39 | 75-27-4    |      |
| Bromoform                   | <4.0    | ug/L                        | 13.2 | 4.0  | 1  |          | 10/26/18 22:39 | 75-25-2    |      |
| Bromomethane                | <0.97   | ug/L                        | 5.0  | 0.97 | 1  |          | 10/26/18 22:39 | 74-83-9    |      |
| n-Butylbenzene              | <0.71   | ug/L                        | 2.4  | 0.71 | 1  |          | 10/26/18 22:39 | 104-51-8   |      |
| sec-Butylbenzene            | <0.85   | ug/L                        | 5.0  | 0.85 | 1  |          | 10/26/18 22:39 | 135-98-8   |      |
| tert-Butylbenzene           | <0.30   | ug/L                        | 1.0  | 0.30 | 1  |          | 10/26/18 22:39 | 98-06-6    |      |
| Carbon tetrachloride        | <0.17   | ug/L                        | 1.0  | 0.17 | 1  |          | 10/26/18 22:39 | 56-23-5    |      |
| Chlorobenzene               | <0.71   | ug/L                        | 2.4  | 0.71 | 1  |          | 10/26/18 22:39 | 108-90-7   |      |
| Chloroethane                | <1.3    | ug/L                        | 5.0  | 1.3  | 1  |          | 10/26/18 22:39 | 75-00-3    |      |
| Chloroform                  | <1.3    | ug/L                        | 5.0  | 1.3  | 1  |          | 10/26/18 22:39 | 67-66-3    |      |
| Chloromethane               | <2.2    | ug/L                        | 7.3  | 2.2  | 1  |          | 10/26/18 22:39 | 74-87-3    |      |
| 2-Chlorotoluene             | <0.93   | ug/L                        | 5.0  | 0.93 | 1  |          | 10/26/18 22:39 | 95-49-8    |      |
| 4-Chlorotoluene             | <0.76   | ug/L                        | 2.5  | 0.76 | 1  |          | 10/26/18 22:39 | 106-43-4   |      |
| 1,2-Dibromo-3-chloropropane | <1.8    | ug/L                        | 5.9  | 1.8  | 1  |          | 10/26/18 22:39 | 96-12-8    |      |
| Dibromochloromethane        | <2.6    | ug/L                        | 8.7  | 2.6  | 1  |          | 10/26/18 22:39 | 124-48-1   |      |
| 1,2-Dibromoethane (EDB)     | <0.83   | ug/L                        | 2.8  | 0.83 | 1  |          | 10/26/18 22:39 | 106-93-4   |      |
| Dibromomethane              | <0.94   | ug/L                        | 3.1  | 0.94 | 1  |          | 10/26/18 22:39 | 74-95-3    |      |
| 1,2-Dichlorobenzene         | <0.71   | ug/L                        | 2.4  | 0.71 | 1  |          | 10/26/18 22:39 | 95-50-1    |      |
| 1,3-Dichlorobenzene         | <0.63   | ug/L                        | 2.1  | 0.63 | 1  |          | 10/26/18 22:39 | 541-73-1   |      |
| 1,4-Dichlorobenzene         | <0.94   | ug/L                        | 3.1  | 0.94 | 1  |          | 10/26/18 22:39 | 106-46-7   |      |
| Dichlorodifluoromethane     | <0.50   | ug/L                        | 5.0  | 0.50 | 1  |          | 10/26/18 22:39 | 75-71-8    |      |
| 1,1-Dichloroethane          | <0.27   | ug/L                        | 1.0  | 0.27 | 1  |          | 10/26/18 22:39 | 75-34-3    |      |
| 1,2-Dichloroethane          | <0.28   | ug/L                        | 1.0  | 0.28 | 1  |          | 10/26/18 22:39 | 107-06-2   |      |
| 1,1-Dichloroethene          | <0.24   | ug/L                        | 1.0  | 0.24 | 1  |          | 10/26/18 22:39 | 75-35-4    |      |
| cis-1,2-Dichloroethene      | <0.27   | ug/L                        | 1.0  | 0.27 | 1  |          | 10/26/18 22:39 | 156-59-2   |      |
| trans-1,2-Dichloroethene    | <1.1    | ug/L                        | 3.6  | 1.1  | 1  |          | 10/26/18 22:39 | 156-60-5   |      |
| 1,2-Dichloropropane         | <0.28   | ug/L                        | 1.0  | 0.28 | 1  |          | 10/26/18 22:39 | 78-87-5    |      |
| 1,3-Dichloropropane         | <0.83   | ug/L                        | 2.8  | 0.83 | 1  |          | 10/26/18 22:39 | 142-28-9   |      |
| 2,2-Dichloropropane         | <2.3    | ug/L                        | 7.6  | 2.3  | 1  |          | 10/26/18 22:39 | 594-20-7   |      |
| 1,1-Dichloropropene         | <0.54   | ug/L                        | 1.8  | 0.54 | 1  |          | 10/26/18 22:39 | 563-58-6   |      |
| cis-1,3-Dichloropropene     | <3.6    | ug/L                        | 12.1 | 3.6  | 1  |          | 10/26/18 22:39 | 10061-01-5 |      |
| trans-1,3-Dichloropropene   | <4.4    | ug/L                        | 14.6 | 4.4  | 1  |          | 10/26/18 22:39 | 10061-02-6 |      |
| Diisopropyl ether           | <1.9    | ug/L                        | 6.3  | 1.9  | 1  |          | 10/26/18 22:39 | 108-20-3   |      |
| Ethylbenzene                | <0.22   | ug/L                        | 1.0  | 0.22 | 1  |          | 10/26/18 22:39 | 100-41-4   |      |
| Hexachloro-1,3-butadiene    | <1.2    | ug/L                        | 5.0  | 1.2  | 1  |          | 10/26/18 22:39 | 87-68-3    |      |
| Isopropylbenzene (Cumene)   | <0.39   | ug/L                        | 5.0  | 0.39 | 1  |          | 10/26/18 22:39 | 98-82-8    |      |
| p-Isopropyltoluene          | <0.80   | ug/L                        | 2.7  | 0.80 | 1  |          | 10/26/18 22:39 | 99-87-6    |      |
| Methylene Chloride          | <0.58   | ug/L                        | 5.0  | 0.58 | 1  |          | 10/26/18 22:39 | 75-09-2    |      |
| Methyl-tert-butyl ether     | <1.2    | ug/L                        | 4.2  | 1.2  | 1  |          | 10/26/18 22:39 | 1634-04-4  |      |
| Naphthalene                 | <1.2    | ug/L                        | 5.0  | 1.2  | 1  |          | 10/26/18 22:39 | 91-20-3    |      |
| n-Propylbenzene             | <0.81   | ug/L                        | 5.0  | 0.81 | 1  |          | 10/26/18 22:39 | 103-65-1   |      |
| Styrene                     | <0.47   | ug/L                        | 1.6  | 0.47 | 1  |          | 10/26/18 22:39 | 100-42-5   |      |
| 1,1,1,2-Tetrachloroethane   | <0.27   | ug/L                        | 1.0  | 0.27 | 1  |          | 10/26/18 22:39 | 630-20-6   |      |

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### ANALYTICAL RESULTS

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

**Sample: 652R CTH B**      **Lab ID: 40178374011**      Collected: 10/24/18 12:15      Received: 10/25/18 14:55      Matrix: Water

| Parameters                | Results | Units                       | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---------------------------|---------|-----------------------------|--------|------|----|----------|----------------|-------------|------|
| <b>8260 MSV</b>           |         | Analytical Method: EPA 8260 |        |      |    |          |                |             |      |
| 1,1,2,2-Tetrachloroethane | <0.28   | ug/L                        | 1.0    | 0.28 | 1  |          | 10/26/18 22:39 | 79-34-5     |      |
| Tetrachloroethene         | <0.33   | ug/L                        | 1.1    | 0.33 | 1  |          | 10/26/18 22:39 | 127-18-4    |      |
| Toluene                   | <0.17   | ug/L                        | 5.0    | 0.17 | 1  |          | 10/26/18 22:39 | 108-88-3    |      |
| 1,2,3-Trichlorobenzene    | <0.63   | ug/L                        | 5.0    | 0.63 | 1  |          | 10/26/18 22:39 | 87-61-6     |      |
| 1,2,4-Trichlorobenzene    | <0.95   | ug/L                        | 5.0    | 0.95 | 1  |          | 10/26/18 22:39 | 120-82-1    |      |
| 1,1,1-Trichloroethane     | <0.24   | ug/L                        | 1.0    | 0.24 | 1  |          | 10/26/18 22:39 | 71-55-6     |      |
| 1,1,2-Trichloroethane     | <0.55   | ug/L                        | 5.0    | 0.55 | 1  |          | 10/26/18 22:39 | 79-00-5     |      |
| Trichloroethene           | <0.26   | ug/L                        | 1.0    | 0.26 | 1  |          | 10/26/18 22:39 | 79-01-6     |      |
| Trichlorofluoromethane    | <0.21   | ug/L                        | 1.0    | 0.21 | 1  |          | 10/26/18 22:39 | 75-69-4     |      |
| 1,2,3-Trichloropropane    | <0.59   | ug/L                        | 5.0    | 0.59 | 1  |          | 10/26/18 22:39 | 96-18-4     |      |
| 1,2,4-Trimethylbenzene    | <0.84   | ug/L                        | 2.8    | 0.84 | 1  |          | 10/26/18 22:39 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene    | <0.87   | ug/L                        | 2.9    | 0.87 | 1  |          | 10/26/18 22:39 | 108-67-8    |      |
| Vinyl chloride            | <0.17   | ug/L                        | 1.0    | 0.17 | 1  |          | 10/26/18 22:39 | 75-01-4     |      |
| Xylene (Total)            | <1.5    | ug/L                        | 3.0    | 1.5  | 1  |          | 10/26/18 22:39 | 1330-20-7   |      |
| m&p-Xylene                | <0.47   | ug/L                        | 2.0    | 0.47 | 1  |          | 10/26/18 22:39 | 179601-23-1 |      |
| o-Xylene                  | <0.26   | ug/L                        | 1.0    | 0.26 | 1  |          | 10/26/18 22:39 | 95-47-6     |      |
| <b>Surrogates</b>         |         |                             |        |      |    |          |                |             |      |
| 4-Bromofluorobenzene (S)  | 90      | %                           | 70-130 |      | 1  |          | 10/26/18 22:39 | 460-00-4    |      |
| Dibromofluoromethane (S)  | 98      | %                           | 70-130 |      | 1  |          | 10/26/18 22:39 | 1868-53-7   |      |
| Toluene-d8 (S)            | 98      | %                           | 70-130 |      | 1  |          | 10/26/18 22:39 | 2037-26-5   |      |

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## ANALYTICAL RESULTS

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

**Sample: PZ-3**      **Lab ID: 40178374012**      Collected: 10/24/18 13:45      Received: 10/25/18 14:55      Matrix: Water

| Parameters                  | Results | Units                       | LOQ  | LOD  | DF | Prepared | Analyzed       | CAS No.    | Qual |
|-----------------------------|---------|-----------------------------|------|------|----|----------|----------------|------------|------|
| <b>8260 MSV</b>             |         | Analytical Method: EPA 8260 |      |      |    |          |                |            |      |
| Benzene                     | <0.25   | ug/L                        | 1.0  | 0.25 | 1  |          | 10/26/18 18:35 | 71-43-2    |      |
| Bromobenzene                | <0.24   | ug/L                        | 1.0  | 0.24 | 1  |          | 10/26/18 18:35 | 108-86-1   |      |
| Bromochloromethane          | <0.36   | ug/L                        | 5.0  | 0.36 | 1  |          | 10/26/18 18:35 | 74-97-5    |      |
| Bromodichloromethane        | <0.36   | ug/L                        | 1.2  | 0.36 | 1  |          | 10/26/18 18:35 | 75-27-4    |      |
| Bromoform                   | <4.0    | ug/L                        | 13.2 | 4.0  | 1  |          | 10/26/18 18:35 | 75-25-2    |      |
| Bromomethane                | <0.97   | ug/L                        | 5.0  | 0.97 | 1  |          | 10/26/18 18:35 | 74-83-9    |      |
| n-Butylbenzene              | <0.71   | ug/L                        | 2.4  | 0.71 | 1  |          | 10/26/18 18:35 | 104-51-8   |      |
| sec-Butylbenzene            | <0.85   | ug/L                        | 5.0  | 0.85 | 1  |          | 10/26/18 18:35 | 135-98-8   |      |
| tert-Butylbenzene           | <0.30   | ug/L                        | 1.0  | 0.30 | 1  |          | 10/26/18 18:35 | 98-06-6    |      |
| Carbon tetrachloride        | <0.17   | ug/L                        | 1.0  | 0.17 | 1  |          | 10/26/18 18:35 | 56-23-5    |      |
| Chlorobenzene               | <0.71   | ug/L                        | 2.4  | 0.71 | 1  |          | 10/26/18 18:35 | 108-90-7   |      |
| Chloroethane                | <1.3    | ug/L                        | 5.0  | 1.3  | 1  |          | 10/26/18 18:35 | 75-00-3    |      |
| Chloroform                  | <1.3    | ug/L                        | 5.0  | 1.3  | 1  |          | 10/26/18 18:35 | 67-66-3    |      |
| Chloromethane               | <2.2    | ug/L                        | 7.3  | 2.2  | 1  |          | 10/26/18 18:35 | 74-87-3    |      |
| 2-Chlorotoluene             | <0.93   | ug/L                        | 5.0  | 0.93 | 1  |          | 10/26/18 18:35 | 95-49-8    |      |
| 4-Chlorotoluene             | <0.76   | ug/L                        | 2.5  | 0.76 | 1  |          | 10/26/18 18:35 | 106-43-4   |      |
| 1,2-Dibromo-3-chloropropane | <1.8    | ug/L                        | 5.9  | 1.8  | 1  |          | 10/26/18 18:35 | 96-12-8    |      |
| Dibromochloromethane        | <2.6    | ug/L                        | 8.7  | 2.6  | 1  |          | 10/26/18 18:35 | 124-48-1   |      |
| 1,2-Dibromoethane (EDB)     | <0.83   | ug/L                        | 2.8  | 0.83 | 1  |          | 10/26/18 18:35 | 106-93-4   |      |
| Dibromomethane              | <0.94   | ug/L                        | 3.1  | 0.94 | 1  |          | 10/26/18 18:35 | 74-95-3    |      |
| 1,2-Dichlorobenzene         | <0.71   | ug/L                        | 2.4  | 0.71 | 1  |          | 10/26/18 18:35 | 95-50-1    |      |
| 1,3-Dichlorobenzene         | <0.63   | ug/L                        | 2.1  | 0.63 | 1  |          | 10/26/18 18:35 | 541-73-1   |      |
| 1,4-Dichlorobenzene         | <0.94   | ug/L                        | 3.1  | 0.94 | 1  |          | 10/26/18 18:35 | 106-46-7   |      |
| Dichlorodifluoromethane     | <0.50   | ug/L                        | 5.0  | 0.50 | 1  |          | 10/26/18 18:35 | 75-71-8    |      |
| 1,1-Dichloroethane          | <0.27   | ug/L                        | 1.0  | 0.27 | 1  |          | 10/26/18 18:35 | 75-34-3    |      |
| 1,2-Dichloroethane          | <0.28   | ug/L                        | 1.0  | 0.28 | 1  |          | 10/26/18 18:35 | 107-06-2   |      |
| 1,1-Dichloroethene          | <0.24   | ug/L                        | 1.0  | 0.24 | 1  |          | 10/26/18 18:35 | 75-35-4    |      |
| cis-1,2-Dichloroethene      | 10.4    | ug/L                        | 1.0  | 0.27 | 1  |          | 10/26/18 18:35 | 156-59-2   |      |
| trans-1,2-Dichloroethene    | <1.1    | ug/L                        | 3.6  | 1.1  | 1  |          | 10/26/18 18:35 | 156-60-5   |      |
| 1,2-Dichloropropane         | <0.28   | ug/L                        | 1.0  | 0.28 | 1  |          | 10/26/18 18:35 | 78-87-5    |      |
| 1,3-Dichloropropane         | <0.83   | ug/L                        | 2.8  | 0.83 | 1  |          | 10/26/18 18:35 | 142-28-9   |      |
| 2,2-Dichloropropane         | <2.3    | ug/L                        | 7.6  | 2.3  | 1  |          | 10/26/18 18:35 | 594-20-7   |      |
| 1,1-Dichloropropene         | <0.54   | ug/L                        | 1.8  | 0.54 | 1  |          | 10/26/18 18:35 | 563-58-6   |      |
| cis-1,3-Dichloropropene     | <3.6    | ug/L                        | 12.1 | 3.6  | 1  |          | 10/26/18 18:35 | 10061-01-5 |      |
| trans-1,3-Dichloropropene   | <4.4    | ug/L                        | 14.6 | 4.4  | 1  |          | 10/26/18 18:35 | 10061-02-6 |      |
| Diisopropyl ether           | <1.9    | ug/L                        | 6.3  | 1.9  | 1  |          | 10/26/18 18:35 | 108-20-3   |      |
| Ethylbenzene                | <0.22   | ug/L                        | 1.0  | 0.22 | 1  |          | 10/26/18 18:35 | 100-41-4   |      |
| Hexachloro-1,3-butadiene    | <1.2    | ug/L                        | 5.0  | 1.2  | 1  |          | 10/26/18 18:35 | 87-68-3    |      |
| Isopropylbenzene (Cumene)   | <0.39   | ug/L                        | 5.0  | 0.39 | 1  |          | 10/26/18 18:35 | 98-82-8    |      |
| p-Isopropyltoluene          | <0.80   | ug/L                        | 2.7  | 0.80 | 1  |          | 10/26/18 18:35 | 99-87-6    |      |
| Methylene Chloride          | <0.58   | ug/L                        | 5.0  | 0.58 | 1  |          | 10/26/18 18:35 | 75-09-2    |      |
| Methyl-tert-butyl ether     | <1.2    | ug/L                        | 4.2  | 1.2  | 1  |          | 10/26/18 18:35 | 1634-04-4  |      |
| Naphthalene                 | <1.2    | ug/L                        | 5.0  | 1.2  | 1  |          | 10/26/18 18:35 | 91-20-3    |      |
| n-Propylbenzene             | <0.81   | ug/L                        | 5.0  | 0.81 | 1  |          | 10/26/18 18:35 | 103-65-1   |      |
| Styrene                     | <0.47   | ug/L                        | 1.6  | 0.47 | 1  |          | 10/26/18 18:35 | 100-42-5   |      |
| 1,1,1,2-Tetrachloroethane   | <0.27   | ug/L                        | 1.0  | 0.27 | 1  |          | 10/26/18 18:35 | 630-20-6   |      |

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### ANALYTICAL RESULTS

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

**Sample: PZ-3**      **Lab ID: 40178374012**      Collected: 10/24/18 13:45      Received: 10/25/18 14:55      Matrix: Water

| Parameters                | Results | Units                       | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---------------------------|---------|-----------------------------|--------|------|----|----------|----------------|-------------|------|
| <b>8260 MSV</b>           |         | Analytical Method: EPA 8260 |        |      |    |          |                |             |      |
| 1,1,2,2-Tetrachloroethane | <0.28   | ug/L                        | 1.0    | 0.28 | 1  |          | 10/26/18 18:35 | 79-34-5     |      |
| Tetrachloroethene         | <0.33   | ug/L                        | 1.1    | 0.33 | 1  |          | 10/26/18 18:35 | 127-18-4    |      |
| Toluene                   | <0.17   | ug/L                        | 5.0    | 0.17 | 1  |          | 10/26/18 18:35 | 108-88-3    |      |
| 1,2,3-Trichlorobenzene    | <0.63   | ug/L                        | 5.0    | 0.63 | 1  |          | 10/26/18 18:35 | 87-61-6     |      |
| 1,2,4-Trichlorobenzene    | <0.95   | ug/L                        | 5.0    | 0.95 | 1  |          | 10/26/18 18:35 | 120-82-1    |      |
| 1,1,1-Trichloroethane     | <0.24   | ug/L                        | 1.0    | 0.24 | 1  |          | 10/26/18 18:35 | 71-55-6     |      |
| 1,1,2-Trichloroethane     | <0.55   | ug/L                        | 5.0    | 0.55 | 1  |          | 10/26/18 18:35 | 79-00-5     |      |
| Trichloroethene           | 1.2     | ug/L                        | 1.0    | 0.26 | 1  |          | 10/26/18 18:35 | 79-01-6     |      |
| Trichlorofluoromethane    | <0.21   | ug/L                        | 1.0    | 0.21 | 1  |          | 10/26/18 18:35 | 75-69-4     |      |
| 1,2,3-Trichloropropane    | <0.59   | ug/L                        | 5.0    | 0.59 | 1  |          | 10/26/18 18:35 | 96-18-4     |      |
| 1,2,4-Trimethylbenzene    | <0.84   | ug/L                        | 2.8    | 0.84 | 1  |          | 10/26/18 18:35 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene    | <0.87   | ug/L                        | 2.9    | 0.87 | 1  |          | 10/26/18 18:35 | 108-67-8    |      |
| Vinyl chloride            | <0.17   | ug/L                        | 1.0    | 0.17 | 1  |          | 10/26/18 18:35 | 75-01-4     |      |
| Xylene (Total)            | <1.5    | ug/L                        | 3.0    | 1.5  | 1  |          | 10/26/18 18:35 | 1330-20-7   |      |
| m&p-Xylene                | <0.47   | ug/L                        | 2.0    | 0.47 | 1  |          | 10/26/18 18:35 | 179601-23-1 |      |
| o-Xylene                  | <0.26   | ug/L                        | 1.0    | 0.26 | 1  |          | 10/26/18 18:35 | 95-47-6     |      |
| <b>Surrogates</b>         |         |                             |        |      |    |          |                |             |      |
| 4-Bromofluorobenzene (S)  | 90      | %                           | 70-130 |      | 1  |          | 10/26/18 18:35 | 460-00-4    |      |
| Dibromofluoromethane (S)  | 97      | %                           | 70-130 |      | 1  |          | 10/26/18 18:35 | 1868-53-7   |      |
| Toluene-d8 (S)            | 98      | %                           | 70-130 |      | 1  |          | 10/26/18 18:35 | 2037-26-5   |      |

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## ANALYTICAL RESULTS

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

**Sample: MW-4**      **Lab ID: 40178374013**      Collected: 10/24/18 14:40      Received: 10/25/18 14:55      Matrix: Water

| Parameters                  | Results | Units                       | LOQ  | LOD  | DF | Prepared | Analyzed       | CAS No.    | Qual |
|-----------------------------|---------|-----------------------------|------|------|----|----------|----------------|------------|------|
| <b>8260 MSV</b>             |         | Analytical Method: EPA 8260 |      |      |    |          |                |            |      |
| Benzene                     | <0.25   | ug/L                        | 1.0  | 0.25 | 1  |          | 10/26/18 23:01 | 71-43-2    |      |
| Bromobenzene                | <0.24   | ug/L                        | 1.0  | 0.24 | 1  |          | 10/26/18 23:01 | 108-86-1   |      |
| Bromochloromethane          | <0.36   | ug/L                        | 5.0  | 0.36 | 1  |          | 10/26/18 23:01 | 74-97-5    |      |
| Bromodichloromethane        | <0.36   | ug/L                        | 1.2  | 0.36 | 1  |          | 10/26/18 23:01 | 75-27-4    |      |
| Bromoform                   | <4.0    | ug/L                        | 13.2 | 4.0  | 1  |          | 10/26/18 23:01 | 75-25-2    |      |
| Bromomethane                | <0.97   | ug/L                        | 5.0  | 0.97 | 1  |          | 10/26/18 23:01 | 74-83-9    |      |
| n-Butylbenzene              | <0.71   | ug/L                        | 2.4  | 0.71 | 1  |          | 10/26/18 23:01 | 104-51-8   |      |
| sec-Butylbenzene            | <0.85   | ug/L                        | 5.0  | 0.85 | 1  |          | 10/26/18 23:01 | 135-98-8   |      |
| tert-Butylbenzene           | <0.30   | ug/L                        | 1.0  | 0.30 | 1  |          | 10/26/18 23:01 | 98-06-6    |      |
| Carbon tetrachloride        | <0.17   | ug/L                        | 1.0  | 0.17 | 1  |          | 10/26/18 23:01 | 56-23-5    |      |
| Chlorobenzene               | <0.71   | ug/L                        | 2.4  | 0.71 | 1  |          | 10/26/18 23:01 | 108-90-7   |      |
| Chloroethane                | <1.3    | ug/L                        | 5.0  | 1.3  | 1  |          | 10/26/18 23:01 | 75-00-3    |      |
| Chloroform                  | <1.3    | ug/L                        | 5.0  | 1.3  | 1  |          | 10/26/18 23:01 | 67-66-3    |      |
| Chloromethane               | <2.2    | ug/L                        | 7.3  | 2.2  | 1  |          | 10/26/18 23:01 | 74-87-3    |      |
| 2-Chlorotoluene             | <0.93   | ug/L                        | 5.0  | 0.93 | 1  |          | 10/26/18 23:01 | 95-49-8    |      |
| 4-Chlorotoluene             | <0.76   | ug/L                        | 2.5  | 0.76 | 1  |          | 10/26/18 23:01 | 106-43-4   |      |
| 1,2-Dibromo-3-chloropropane | <1.8    | ug/L                        | 5.9  | 1.8  | 1  |          | 10/26/18 23:01 | 96-12-8    |      |
| Dibromochloromethane        | <2.6    | ug/L                        | 8.7  | 2.6  | 1  |          | 10/26/18 23:01 | 124-48-1   |      |
| 1,2-Dibromoethane (EDB)     | <0.83   | ug/L                        | 2.8  | 0.83 | 1  |          | 10/26/18 23:01 | 106-93-4   |      |
| Dibromomethane              | <0.94   | ug/L                        | 3.1  | 0.94 | 1  |          | 10/26/18 23:01 | 74-95-3    |      |
| 1,2-Dichlorobenzene         | <0.71   | ug/L                        | 2.4  | 0.71 | 1  |          | 10/26/18 23:01 | 95-50-1    |      |
| 1,3-Dichlorobenzene         | <0.63   | ug/L                        | 2.1  | 0.63 | 1  |          | 10/26/18 23:01 | 541-73-1   |      |
| 1,4-Dichlorobenzene         | <0.94   | ug/L                        | 3.1  | 0.94 | 1  |          | 10/26/18 23:01 | 106-46-7   |      |
| Dichlorodifluoromethane     | <0.50   | ug/L                        | 5.0  | 0.50 | 1  |          | 10/26/18 23:01 | 75-71-8    |      |
| 1,1-Dichloroethane          | <0.27   | ug/L                        | 1.0  | 0.27 | 1  |          | 10/26/18 23:01 | 75-34-3    |      |
| 1,2-Dichloroethane          | <0.28   | ug/L                        | 1.0  | 0.28 | 1  |          | 10/26/18 23:01 | 107-06-2   |      |
| 1,1-Dichloroethene          | <0.24   | ug/L                        | 1.0  | 0.24 | 1  |          | 10/26/18 23:01 | 75-35-4    |      |
| cis-1,2-Dichloroethene      | <0.27   | ug/L                        | 1.0  | 0.27 | 1  |          | 10/26/18 23:01 | 156-59-2   |      |
| trans-1,2-Dichloroethene    | <1.1    | ug/L                        | 3.6  | 1.1  | 1  |          | 10/26/18 23:01 | 156-60-5   |      |
| 1,2-Dichloropropane         | <0.28   | ug/L                        | 1.0  | 0.28 | 1  |          | 10/26/18 23:01 | 78-87-5    |      |
| 1,3-Dichloropropane         | <0.83   | ug/L                        | 2.8  | 0.83 | 1  |          | 10/26/18 23:01 | 142-28-9   |      |
| 2,2-Dichloropropane         | <2.3    | ug/L                        | 7.6  | 2.3  | 1  |          | 10/26/18 23:01 | 594-20-7   |      |
| 1,1-Dichloropropene         | <0.54   | ug/L                        | 1.8  | 0.54 | 1  |          | 10/26/18 23:01 | 563-58-6   |      |
| cis-1,3-Dichloropropene     | <3.6    | ug/L                        | 12.1 | 3.6  | 1  |          | 10/26/18 23:01 | 10061-01-5 |      |
| trans-1,3-Dichloropropene   | <4.4    | ug/L                        | 14.6 | 4.4  | 1  |          | 10/26/18 23:01 | 10061-02-6 |      |
| Diisopropyl ether           | <1.9    | ug/L                        | 6.3  | 1.9  | 1  |          | 10/26/18 23:01 | 108-20-3   |      |
| Ethylbenzene                | <0.22   | ug/L                        | 1.0  | 0.22 | 1  |          | 10/26/18 23:01 | 100-41-4   |      |
| Hexachloro-1,3-butadiene    | <1.2    | ug/L                        | 5.0  | 1.2  | 1  |          | 10/26/18 23:01 | 87-68-3    |      |
| Isopropylbenzene (Cumene)   | <0.39   | ug/L                        | 5.0  | 0.39 | 1  |          | 10/26/18 23:01 | 98-82-8    |      |
| p-Isopropyltoluene          | <0.80   | ug/L                        | 2.7  | 0.80 | 1  |          | 10/26/18 23:01 | 99-87-6    |      |
| Methylene Chloride          | <0.58   | ug/L                        | 5.0  | 0.58 | 1  |          | 10/26/18 23:01 | 75-09-2    |      |
| Methyl-tert-butyl ether     | <1.2    | ug/L                        | 4.2  | 1.2  | 1  |          | 10/26/18 23:01 | 1634-04-4  |      |
| Naphthalene                 | <1.2    | ug/L                        | 5.0  | 1.2  | 1  |          | 10/26/18 23:01 | 91-20-3    |      |
| n-Propylbenzene             | <0.81   | ug/L                        | 5.0  | 0.81 | 1  |          | 10/26/18 23:01 | 103-65-1   |      |
| Styrene                     | <0.47   | ug/L                        | 1.6  | 0.47 | 1  |          | 10/26/18 23:01 | 100-42-5   |      |
| 1,1,1,2-Tetrachloroethane   | <0.27   | ug/L                        | 1.0  | 0.27 | 1  |          | 10/26/18 23:01 | 630-20-6   |      |

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### ANALYTICAL RESULTS

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

**Sample: MW-4**      **Lab ID: 40178374013**      Collected: 10/24/18 14:40      Received: 10/25/18 14:55      Matrix: Water

| Parameters                | Results | Units                       | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---------------------------|---------|-----------------------------|--------|------|----|----------|----------------|-------------|------|
| <b>8260 MSV</b>           |         | Analytical Method: EPA 8260 |        |      |    |          |                |             |      |
| 1,1,2,2-Tetrachloroethane | <0.28   | ug/L                        | 1.0    | 0.28 | 1  |          | 10/26/18 23:01 | 79-34-5     |      |
| Tetrachloroethene         | <0.33   | ug/L                        | 1.1    | 0.33 | 1  |          | 10/26/18 23:01 | 127-18-4    |      |
| Toluene                   | <0.17   | ug/L                        | 5.0    | 0.17 | 1  |          | 10/26/18 23:01 | 108-88-3    |      |
| 1,2,3-Trichlorobenzene    | <0.63   | ug/L                        | 5.0    | 0.63 | 1  |          | 10/26/18 23:01 | 87-61-6     |      |
| 1,2,4-Trichlorobenzene    | <0.95   | ug/L                        | 5.0    | 0.95 | 1  |          | 10/26/18 23:01 | 120-82-1    |      |
| 1,1,1-Trichloroethane     | <0.24   | ug/L                        | 1.0    | 0.24 | 1  |          | 10/26/18 23:01 | 71-55-6     |      |
| 1,1,2-Trichloroethane     | <0.55   | ug/L                        | 5.0    | 0.55 | 1  |          | 10/26/18 23:01 | 79-00-5     |      |
| Trichloroethene           | 2.2     | ug/L                        | 1.0    | 0.26 | 1  |          | 10/26/18 23:01 | 79-01-6     |      |
| Trichlorofluoromethane    | <0.21   | ug/L                        | 1.0    | 0.21 | 1  |          | 10/26/18 23:01 | 75-69-4     |      |
| 1,2,3-Trichloropropane    | <0.59   | ug/L                        | 5.0    | 0.59 | 1  |          | 10/26/18 23:01 | 96-18-4     |      |
| 1,2,4-Trimethylbenzene    | <0.84   | ug/L                        | 2.8    | 0.84 | 1  |          | 10/26/18 23:01 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene    | <0.87   | ug/L                        | 2.9    | 0.87 | 1  |          | 10/26/18 23:01 | 108-67-8    |      |
| Vinyl chloride            | <0.17   | ug/L                        | 1.0    | 0.17 | 1  |          | 10/26/18 23:01 | 75-01-4     |      |
| Xylene (Total)            | <1.5    | ug/L                        | 3.0    | 1.5  | 1  |          | 10/26/18 23:01 | 1330-20-7   |      |
| m&p-Xylene                | <0.47   | ug/L                        | 2.0    | 0.47 | 1  |          | 10/26/18 23:01 | 179601-23-1 |      |
| o-Xylene                  | <0.26   | ug/L                        | 1.0    | 0.26 | 1  |          | 10/26/18 23:01 | 95-47-6     |      |
| <b>Surrogates</b>         |         |                             |        |      |    |          |                |             |      |
| 4-Bromofluorobenzene (S)  | 92      | %                           | 70-130 |      | 1  |          | 10/26/18 23:01 | 460-00-4    |      |
| Dibromofluoromethane (S)  | 99      | %                           | 70-130 |      | 1  |          | 10/26/18 23:01 | 1868-53-7   |      |
| Toluene-d8 (S)            | 98      | %                           | 70-130 |      | 1  |          | 10/26/18 23:01 | 2037-26-5   |      |

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### ANALYTICAL RESULTS

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

**Sample: MW-4D**      **Lab ID: 40178374014**      Collected: 10/24/18 14:42      Received: 10/25/18 14:55      Matrix: Water

| Parameters                                  | Results | Units | LOQ  | LOD  | DF | Prepared | Analyzed       | CAS No.    | Qual |
|---|---------|-------|------|------|----|----------|----------------|------------|------|
| <b>8260 MSV</b> Analytical Method: EPA 8260 |         |       |      |      |    |          |                |            |      |
| Benzene                                     | <0.25   | ug/L  | 1.0  | 0.25 | 1  |          | 10/26/18 23:23 | 71-43-2    |      |
| Bromobenzene                                | <0.24   | ug/L  | 1.0  | 0.24 | 1  |          | 10/26/18 23:23 | 108-86-1   |      |
| Bromochloromethane                          | <0.36   | ug/L  | 5.0  | 0.36 | 1  |          | 10/26/18 23:23 | 74-97-5    |      |
| Bromodichloromethane                        | <0.36   | ug/L  | 1.2  | 0.36 | 1  |          | 10/26/18 23:23 | 75-27-4    |      |
| Bromoform                                   | <4.0    | ug/L  | 13.2 | 4.0  | 1  |          | 10/26/18 23:23 | 75-25-2    |      |
| Bromomethane                                | <0.97   | ug/L  | 5.0  | 0.97 | 1  |          | 10/26/18 23:23 | 74-83-9    |      |
| n-Butylbenzene                              | <0.71   | ug/L  | 2.4  | 0.71 | 1  |          | 10/26/18 23:23 | 104-51-8   |      |
| sec-Butylbenzene                            | <0.85   | ug/L  | 5.0  | 0.85 | 1  |          | 10/26/18 23:23 | 135-98-8   |      |
| tert-Butylbenzene                           | <0.30   | ug/L  | 1.0  | 0.30 | 1  |          | 10/26/18 23:23 | 98-06-6    |      |
| Carbon tetrachloride                        | <0.17   | ug/L  | 1.0  | 0.17 | 1  |          | 10/26/18 23:23 | 56-23-5    |      |
| Chlorobenzene                               | <0.71   | ug/L  | 2.4  | 0.71 | 1  |          | 10/26/18 23:23 | 108-90-7   |      |
| Chloroethane                                | <1.3    | ug/L  | 5.0  | 1.3  | 1  |          | 10/26/18 23:23 | 75-00-3    |      |
| Chloroform                                  | <1.3    | ug/L  | 5.0  | 1.3  | 1  |          | 10/26/18 23:23 | 67-66-3    |      |
| Chloromethane                               | <2.2    | ug/L  | 7.3  | 2.2  | 1  |          | 10/26/18 23:23 | 74-87-3    |      |
| 2-Chlorotoluene                             | <0.93   | ug/L  | 5.0  | 0.93 | 1  |          | 10/26/18 23:23 | 95-49-8    |      |
| 4-Chlorotoluene                             | <0.76   | ug/L  | 2.5  | 0.76 | 1  |          | 10/26/18 23:23 | 106-43-4   |      |
| 1,2-Dibromo-3-chloropropane                 | <1.8    | ug/L  | 5.9  | 1.8  | 1  |          | 10/26/18 23:23 | 96-12-8    |      |
| Dibromochloromethane                        | <2.6    | ug/L  | 8.7  | 2.6  | 1  |          | 10/26/18 23:23 | 124-48-1   |      |
| 1,2-Dibromoethane (EDB)                     | <0.83   | ug/L  | 2.8  | 0.83 | 1  |          | 10/26/18 23:23 | 106-93-4   |      |
| Dibromomethane                              | <0.94   | ug/L  | 3.1  | 0.94 | 1  |          | 10/26/18 23:23 | 74-95-3    |      |
| 1,2-Dichlorobenzene                         | <0.71   | ug/L  | 2.4  | 0.71 | 1  |          | 10/26/18 23:23 | 95-50-1    |      |
| 1,3-Dichlorobenzene                         | <0.63   | ug/L  | 2.1  | 0.63 | 1  |          | 10/26/18 23:23 | 541-73-1   |      |
| 1,4-Dichlorobenzene                         | <0.94   | ug/L  | 3.1  | 0.94 | 1  |          | 10/26/18 23:23 | 106-46-7   |      |
| Dichlorodifluoromethane                     | <0.50   | ug/L  | 5.0  | 0.50 | 1  |          | 10/26/18 23:23 | 75-71-8    |      |
| 1,1-Dichloroethane                          | <0.27   | ug/L  | 1.0  | 0.27 | 1  |          | 10/26/18 23:23 | 75-34-3    |      |
| 1,2-Dichloroethane                          | <0.28   | ug/L  | 1.0  | 0.28 | 1  |          | 10/26/18 23:23 | 107-06-2   |      |
| 1,1-Dichloroethene                          | <0.24   | ug/L  | 1.0  | 0.24 | 1  |          | 10/26/18 23:23 | 75-35-4    |      |
| cis-1,2-Dichloroethene                      | <0.27   | ug/L  | 1.0  | 0.27 | 1  |          | 10/26/18 23:23 | 156-59-2   |      |
| trans-1,2-Dichloroethene                    | <1.1    | ug/L  | 3.6  | 1.1  | 1  |          | 10/26/18 23:23 | 156-60-5   |      |
| 1,2-Dichloropropane                         | <0.28   | ug/L  | 1.0  | 0.28 | 1  |          | 10/26/18 23:23 | 78-87-5    |      |
| 1,3-Dichloropropane                         | <0.83   | ug/L  | 2.8  | 0.83 | 1  |          | 10/26/18 23:23 | 142-28-9   |      |
| 2,2-Dichloropropane                         | <2.3    | ug/L  | 7.6  | 2.3  | 1  |          | 10/26/18 23:23 | 594-20-7   |      |
| 1,1-Dichloropropene                         | <0.54   | ug/L  | 1.8  | 0.54 | 1  |          | 10/26/18 23:23 | 563-58-6   |      |
| cis-1,3-Dichloropropene                     | <3.6    | ug/L  | 12.1 | 3.6  | 1  |          | 10/26/18 23:23 | 10061-01-5 |      |
| trans-1,3-Dichloropropene                   | <4.4    | ug/L  | 14.6 | 4.4  | 1  |          | 10/26/18 23:23 | 10061-02-6 |      |
| Diisopropyl ether                           | <1.9    | ug/L  | 6.3  | 1.9  | 1  |          | 10/26/18 23:23 | 108-20-3   |      |
| Ethylbenzene                                | <0.22   | ug/L  | 1.0  | 0.22 | 1  |          | 10/26/18 23:23 | 100-41-4   |      |
| Hexachloro-1,3-butadiene                    | <1.2    | ug/L  | 5.0  | 1.2  | 1  |          | 10/26/18 23:23 | 87-68-3    |      |
| Isopropylbenzene (Cumene)                   | <0.39   | ug/L  | 5.0  | 0.39 | 1  |          | 10/26/18 23:23 | 98-82-8    |      |
| p-Isopropyltoluene                          | <0.80   | ug/L  | 2.7  | 0.80 | 1  |          | 10/26/18 23:23 | 99-87-6    |      |
| Methylene Chloride                          | <0.58   | ug/L  | 5.0  | 0.58 | 1  |          | 10/26/18 23:23 | 75-09-2    |      |
| Methyl-tert-butyl ether                     | <1.2    | ug/L  | 4.2  | 1.2  | 1  |          | 10/26/18 23:23 | 1634-04-4  |      |
| Naphthalene                                 | <1.2    | ug/L  | 5.0  | 1.2  | 1  |          | 10/26/18 23:23 | 91-20-3    |      |
| n-Propylbenzene                             | <0.81   | ug/L  | 5.0  | 0.81 | 1  |          | 10/26/18 23:23 | 103-65-1   |      |
| Styrene                                     | <0.47   | ug/L  | 1.6  | 0.47 | 1  |          | 10/26/18 23:23 | 100-42-5   |      |
| 1,1,1,2-Tetrachloroethane                   | <0.27   | ug/L  | 1.0  | 0.27 | 1  |          | 10/26/18 23:23 | 630-20-6   |      |

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### ANALYTICAL RESULTS

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

**Sample: MW-4D**      **Lab ID: 40178374014**      Collected: 10/24/18 14:42      Received: 10/25/18 14:55      Matrix: Water

| Parameters                                  | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---|---------|-------|--------|------|----|----------|----------------|-------------|------|
| <b>8260 MSV</b> Analytical Method: EPA 8260 |         |       |        |      |    |          |                |             |      |
| 1,1,2,2-Tetrachloroethane                   | <0.28   | ug/L  | 1.0    | 0.28 | 1  |          | 10/26/18 23:23 | 79-34-5     |      |
| Tetrachloroethene                           | <0.33   | ug/L  | 1.1    | 0.33 | 1  |          | 10/26/18 23:23 | 127-18-4    |      |
| Toluene                                     | <0.17   | ug/L  | 5.0    | 0.17 | 1  |          | 10/26/18 23:23 | 108-88-3    |      |
| 1,2,3-Trichlorobenzene                      | <0.63   | ug/L  | 5.0    | 0.63 | 1  |          | 10/26/18 23:23 | 87-61-6     |      |
| 1,2,4-Trichlorobenzene                      | <0.95   | ug/L  | 5.0    | 0.95 | 1  |          | 10/26/18 23:23 | 120-82-1    |      |
| 1,1,1-Trichloroethane                       | <0.24   | ug/L  | 1.0    | 0.24 | 1  |          | 10/26/18 23:23 | 71-55-6     |      |
| 1,1,2-Trichloroethane                       | <0.55   | ug/L  | 5.0    | 0.55 | 1  |          | 10/26/18 23:23 | 79-00-5     |      |
| Trichloroethene                             | 2.3     | ug/L  | 1.0    | 0.26 | 1  |          | 10/26/18 23:23 | 79-01-6     |      |
| Trichlorofluoromethane                      | <0.21   | ug/L  | 1.0    | 0.21 | 1  |          | 10/26/18 23:23 | 75-69-4     |      |
| 1,2,3-Trichloropropane                      | <0.59   | ug/L  | 5.0    | 0.59 | 1  |          | 10/26/18 23:23 | 96-18-4     |      |
| 1,2,4-Trimethylbenzene                      | <0.84   | ug/L  | 2.8    | 0.84 | 1  |          | 10/26/18 23:23 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene                      | <0.87   | ug/L  | 2.9    | 0.87 | 1  |          | 10/26/18 23:23 | 108-67-8    |      |
| Vinyl chloride                              | <0.17   | ug/L  | 1.0    | 0.17 | 1  |          | 10/26/18 23:23 | 75-01-4     |      |
| Xylene (Total)                              | <1.5    | ug/L  | 3.0    | 1.5  | 1  |          | 10/26/18 23:23 | 1330-20-7   |      |
| m&p-Xylene                                  | <0.47   | ug/L  | 2.0    | 0.47 | 1  |          | 10/26/18 23:23 | 179601-23-1 |      |
| o-Xylene                                    | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 10/26/18 23:23 | 95-47-6     |      |
| <b>Surrogates</b>                           |         |       |        |      |    |          |                |             |      |
| 4-Bromofluorobenzene (S)                    | 92      | %     | 70-130 |      | 1  |          | 10/26/18 23:23 | 460-00-4    |      |
| Dibromofluoromethane (S)                    | 97      | %     | 70-130 |      | 1  |          | 10/26/18 23:23 | 1868-53-7   |      |
| Toluene-d8 (S)                              | 100     | %     | 70-130 |      | 1  |          | 10/26/18 23:23 | 2037-26-5   |      |

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### ANALYTICAL RESULTS

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

**Sample: PZ-4**      **Lab ID: 40178374015**      Collected: 10/24/18 15:20      Received: 10/25/18 14:55      Matrix: Water

| Parameters                                  | Results | Units | LOQ  | LOD  | DF | Prepared | Analyzed       | CAS No.    | Qual |
|---|---------|-------|------|------|----|----------|----------------|------------|------|
| <b>8260 MSV</b> Analytical Method: EPA 8260 |         |       |      |      |    |          |                |            |      |
| Benzene                                     | <0.25   | ug/L  | 1.0  | 0.25 | 1  |          | 10/26/18 23:45 | 71-43-2    |      |
| Bromobenzene                                | <0.24   | ug/L  | 1.0  | 0.24 | 1  |          | 10/26/18 23:45 | 108-86-1   |      |
| Bromochloromethane                          | <0.36   | ug/L  | 5.0  | 0.36 | 1  |          | 10/26/18 23:45 | 74-97-5    |      |
| Bromodichloromethane                        | <0.36   | ug/L  | 1.2  | 0.36 | 1  |          | 10/26/18 23:45 | 75-27-4    |      |
| Bromoform                                   | <4.0    | ug/L  | 13.2 | 4.0  | 1  |          | 10/26/18 23:45 | 75-25-2    |      |
| Bromomethane                                | <0.97   | ug/L  | 5.0  | 0.97 | 1  |          | 10/26/18 23:45 | 74-83-9    |      |
| n-Butylbenzene                              | <0.71   | ug/L  | 2.4  | 0.71 | 1  |          | 10/26/18 23:45 | 104-51-8   |      |
| sec-Butylbenzene                            | <0.85   | ug/L  | 5.0  | 0.85 | 1  |          | 10/26/18 23:45 | 135-98-8   |      |
| tert-Butylbenzene                           | <0.30   | ug/L  | 1.0  | 0.30 | 1  |          | 10/26/18 23:45 | 98-06-6    |      |
| Carbon tetrachloride                        | <0.17   | ug/L  | 1.0  | 0.17 | 1  |          | 10/26/18 23:45 | 56-23-5    |      |
| Chlorobenzene                               | <0.71   | ug/L  | 2.4  | 0.71 | 1  |          | 10/26/18 23:45 | 108-90-7   |      |
| Chloroethane                                | <1.3    | ug/L  | 5.0  | 1.3  | 1  |          | 10/26/18 23:45 | 75-00-3    |      |
| Chloroform                                  | <1.3    | ug/L  | 5.0  | 1.3  | 1  |          | 10/26/18 23:45 | 67-66-3    |      |
| Chloromethane                               | <2.2    | ug/L  | 7.3  | 2.2  | 1  |          | 10/26/18 23:45 | 74-87-3    |      |
| 2-Chlorotoluene                             | <0.93   | ug/L  | 5.0  | 0.93 | 1  |          | 10/26/18 23:45 | 95-49-8    |      |
| 4-Chlorotoluene                             | <0.76   | ug/L  | 2.5  | 0.76 | 1  |          | 10/26/18 23:45 | 106-43-4   |      |
| 1,2-Dibromo-3-chloropropane                 | <1.8    | ug/L  | 5.9  | 1.8  | 1  |          | 10/26/18 23:45 | 96-12-8    |      |
| Dibromochloromethane                        | <2.6    | ug/L  | 8.7  | 2.6  | 1  |          | 10/26/18 23:45 | 124-48-1   |      |
| 1,2-Dibromoethane (EDB)                     | <0.83   | ug/L  | 2.8  | 0.83 | 1  |          | 10/26/18 23:45 | 106-93-4   |      |
| Dibromomethane                              | <0.94   | ug/L  | 3.1  | 0.94 | 1  |          | 10/26/18 23:45 | 74-95-3    |      |
| 1,2-Dichlorobenzene                         | <0.71   | ug/L  | 2.4  | 0.71 | 1  |          | 10/26/18 23:45 | 95-50-1    |      |
| 1,3-Dichlorobenzene                         | <0.63   | ug/L  | 2.1  | 0.63 | 1  |          | 10/26/18 23:45 | 541-73-1   |      |
| 1,4-Dichlorobenzene                         | <0.94   | ug/L  | 3.1  | 0.94 | 1  |          | 10/26/18 23:45 | 106-46-7   |      |
| Dichlorodifluoromethane                     | <0.50   | ug/L  | 5.0  | 0.50 | 1  |          | 10/26/18 23:45 | 75-71-8    |      |
| 1,1-Dichloroethane                          | <0.27   | ug/L  | 1.0  | 0.27 | 1  |          | 10/26/18 23:45 | 75-34-3    |      |
| 1,2-Dichloroethane                          | <0.28   | ug/L  | 1.0  | 0.28 | 1  |          | 10/26/18 23:45 | 107-06-2   |      |
| 1,1-Dichloroethene                          | <0.24   | ug/L  | 1.0  | 0.24 | 1  |          | 10/26/18 23:45 | 75-35-4    |      |
| cis-1,2-Dichloroethene                      | 1.4     | ug/L  | 1.0  | 0.27 | 1  |          | 10/26/18 23:45 | 156-59-2   |      |
| trans-1,2-Dichloroethene                    | <1.1    | ug/L  | 3.6  | 1.1  | 1  |          | 10/26/18 23:45 | 156-60-5   |      |
| 1,2-Dichloropropane                         | <0.28   | ug/L  | 1.0  | 0.28 | 1  |          | 10/26/18 23:45 | 78-87-5    |      |
| 1,3-Dichloropropane                         | <0.83   | ug/L  | 2.8  | 0.83 | 1  |          | 10/26/18 23:45 | 142-28-9   |      |
| 2,2-Dichloropropane                         | <2.3    | ug/L  | 7.6  | 2.3  | 1  |          | 10/26/18 23:45 | 594-20-7   |      |
| 1,1-Dichloropropene                         | <0.54   | ug/L  | 1.8  | 0.54 | 1  |          | 10/26/18 23:45 | 563-58-6   |      |
| cis-1,3-Dichloropropene                     | <3.6    | ug/L  | 12.1 | 3.6  | 1  |          | 10/26/18 23:45 | 10061-01-5 |      |
| trans-1,3-Dichloropropene                   | <4.4    | ug/L  | 14.6 | 4.4  | 1  |          | 10/26/18 23:45 | 10061-02-6 |      |
| Diisopropyl ether                           | <1.9    | ug/L  | 6.3  | 1.9  | 1  |          | 10/26/18 23:45 | 108-20-3   |      |
| Ethylbenzene                                | <0.22   | ug/L  | 1.0  | 0.22 | 1  |          | 10/26/18 23:45 | 100-41-4   |      |
| Hexachloro-1,3-butadiene                    | <1.2    | ug/L  | 5.0  | 1.2  | 1  |          | 10/26/18 23:45 | 87-68-3    |      |
| Isopropylbenzene (Cumene)                   | <0.39   | ug/L  | 5.0  | 0.39 | 1  |          | 10/26/18 23:45 | 98-82-8    |      |
| p-Isopropyltoluene                          | <0.80   | ug/L  | 2.7  | 0.80 | 1  |          | 10/26/18 23:45 | 99-87-6    |      |
| Methylene Chloride                          | <0.58   | ug/L  | 5.0  | 0.58 | 1  |          | 10/26/18 23:45 | 75-09-2    |      |
| Methyl-tert-butyl ether                     | <1.2    | ug/L  | 4.2  | 1.2  | 1  |          | 10/26/18 23:45 | 1634-04-4  |      |
| Naphthalene                                 | <1.2    | ug/L  | 5.0  | 1.2  | 1  |          | 10/26/18 23:45 | 91-20-3    |      |
| n-Propylbenzene                             | <0.81   | ug/L  | 5.0  | 0.81 | 1  |          | 10/26/18 23:45 | 103-65-1   |      |
| Styrene                                     | <0.47   | ug/L  | 1.6  | 0.47 | 1  |          | 10/26/18 23:45 | 100-42-5   |      |
| 1,1,1,2-Tetrachloroethane                   | <0.27   | ug/L  | 1.0  | 0.27 | 1  |          | 10/26/18 23:45 | 630-20-6   |      |

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### ANALYTICAL RESULTS

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

**Sample: PZ-4**      **Lab ID: 40178374015**      Collected: 10/24/18 15:20      Received: 10/25/18 14:55      Matrix: Water

| Parameters                                  | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---|---------|-------|--------|------|----|----------|----------------|-------------|------|
| <b>8260 MSV</b> Analytical Method: EPA 8260 |         |       |        |      |    |          |                |             |      |
| 1,1,2,2-Tetrachloroethane                   | <0.28   | ug/L  | 1.0    | 0.28 | 1  |          | 10/26/18 23:45 | 79-34-5     |      |
| Tetrachloroethene                           | <0.33   | ug/L  | 1.1    | 0.33 | 1  |          | 10/26/18 23:45 | 127-18-4    |      |
| Toluene                                     | <0.17   | ug/L  | 5.0    | 0.17 | 1  |          | 10/26/18 23:45 | 108-88-3    |      |
| 1,2,3-Trichlorobenzene                      | <0.63   | ug/L  | 5.0    | 0.63 | 1  |          | 10/26/18 23:45 | 87-61-6     |      |
| 1,2,4-Trichlorobenzene                      | <0.95   | ug/L  | 5.0    | 0.95 | 1  |          | 10/26/18 23:45 | 120-82-1    |      |
| 1,1,1-Trichloroethane                       | <0.24   | ug/L  | 1.0    | 0.24 | 1  |          | 10/26/18 23:45 | 71-55-6     |      |
| 1,1,2-Trichloroethane                       | <0.55   | ug/L  | 5.0    | 0.55 | 1  |          | 10/26/18 23:45 | 79-00-5     |      |
| Trichloroethene                             | 6.6     | ug/L  | 1.0    | 0.26 | 1  |          | 10/26/18 23:45 | 79-01-6     |      |
| Trichlorofluoromethane                      | <0.21   | ug/L  | 1.0    | 0.21 | 1  |          | 10/26/18 23:45 | 75-69-4     |      |
| 1,2,3-Trichloropropane                      | <0.59   | ug/L  | 5.0    | 0.59 | 1  |          | 10/26/18 23:45 | 96-18-4     |      |
| 1,2,4-Trimethylbenzene                      | <0.84   | ug/L  | 2.8    | 0.84 | 1  |          | 10/26/18 23:45 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene                      | <0.87   | ug/L  | 2.9    | 0.87 | 1  |          | 10/26/18 23:45 | 108-67-8    |      |
| Vinyl chloride                              | <0.17   | ug/L  | 1.0    | 0.17 | 1  |          | 10/26/18 23:45 | 75-01-4     |      |
| Xylene (Total)                              | <1.5    | ug/L  | 3.0    | 1.5  | 1  |          | 10/26/18 23:45 | 1330-20-7   |      |
| m&p-Xylene                                  | <0.47   | ug/L  | 2.0    | 0.47 | 1  |          | 10/26/18 23:45 | 179601-23-1 |      |
| o-Xylene                                    | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 10/26/18 23:45 | 95-47-6     |      |
| <b>Surrogates</b>                           |         |       |        |      |    |          |                |             |      |
| 4-Bromofluorobenzene (S)                    | 88      | %     | 70-130 |      | 1  |          | 10/26/18 23:45 | 460-00-4    |      |
| Dibromofluoromethane (S)                    | 98      | %     | 70-130 |      | 1  |          | 10/26/18 23:45 | 1868-53-7   |      |
| Toluene-d8 (S)                              | 97      | %     | 70-130 |      | 1  |          | 10/26/18 23:45 | 2037-26-5   |      |

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### ANALYTICAL RESULTS

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

**Sample: MW-6**      **Lab ID: 40178374016**      Collected: 10/24/18 15:50      Received: 10/25/18 14:55      Matrix: Water

| Parameters                  | Results | Units                       | LOQ  | LOD  | DF | Prepared | Analyzed       | CAS No.    | Qual |
|-----------------------------|---------|-----------------------------|------|------|----|----------|----------------|------------|------|
| <b>8260 MSV</b>             |         | Analytical Method: EPA 8260 |      |      |    |          |                |            |      |
| Benzene                     | <0.25   | ug/L                        | 1.0  | 0.25 | 1  |          | 10/27/18 00:07 | 71-43-2    |      |
| Bromobenzene                | <0.24   | ug/L                        | 1.0  | 0.24 | 1  |          | 10/27/18 00:07 | 108-86-1   |      |
| Bromochloromethane          | <0.36   | ug/L                        | 5.0  | 0.36 | 1  |          | 10/27/18 00:07 | 74-97-5    |      |
| Bromodichloromethane        | <0.36   | ug/L                        | 1.2  | 0.36 | 1  |          | 10/27/18 00:07 | 75-27-4    |      |
| Bromoform                   | <4.0    | ug/L                        | 13.2 | 4.0  | 1  |          | 10/27/18 00:07 | 75-25-2    |      |
| Bromomethane                | <0.97   | ug/L                        | 5.0  | 0.97 | 1  |          | 10/27/18 00:07 | 74-83-9    |      |
| n-Butylbenzene              | <0.71   | ug/L                        | 2.4  | 0.71 | 1  |          | 10/27/18 00:07 | 104-51-8   |      |
| sec-Butylbenzene            | <0.85   | ug/L                        | 5.0  | 0.85 | 1  |          | 10/27/18 00:07 | 135-98-8   |      |
| tert-Butylbenzene           | <0.30   | ug/L                        | 1.0  | 0.30 | 1  |          | 10/27/18 00:07 | 98-06-6    |      |
| Carbon tetrachloride        | <0.17   | ug/L                        | 1.0  | 0.17 | 1  |          | 10/27/18 00:07 | 56-23-5    |      |
| Chlorobenzene               | <0.71   | ug/L                        | 2.4  | 0.71 | 1  |          | 10/27/18 00:07 | 108-90-7   |      |
| Chloroethane                | <1.3    | ug/L                        | 5.0  | 1.3  | 1  |          | 10/27/18 00:07 | 75-00-3    |      |
| Chloroform                  | <1.3    | ug/L                        | 5.0  | 1.3  | 1  |          | 10/27/18 00:07 | 67-66-3    |      |
| Chloromethane               | <2.2    | ug/L                        | 7.3  | 2.2  | 1  |          | 10/27/18 00:07 | 74-87-3    |      |
| 2-Chlorotoluene             | <0.93   | ug/L                        | 5.0  | 0.93 | 1  |          | 10/27/18 00:07 | 95-49-8    |      |
| 4-Chlorotoluene             | <0.76   | ug/L                        | 2.5  | 0.76 | 1  |          | 10/27/18 00:07 | 106-43-4   |      |
| 1,2-Dibromo-3-chloropropane | <1.8    | ug/L                        | 5.9  | 1.8  | 1  |          | 10/27/18 00:07 | 96-12-8    |      |
| Dibromochloromethane        | <2.6    | ug/L                        | 8.7  | 2.6  | 1  |          | 10/27/18 00:07 | 124-48-1   |      |
| 1,2-Dibromoethane (EDB)     | <0.83   | ug/L                        | 2.8  | 0.83 | 1  |          | 10/27/18 00:07 | 106-93-4   |      |
| Dibromomethane              | <0.94   | ug/L                        | 3.1  | 0.94 | 1  |          | 10/27/18 00:07 | 74-95-3    |      |
| 1,2-Dichlorobenzene         | <0.71   | ug/L                        | 2.4  | 0.71 | 1  |          | 10/27/18 00:07 | 95-50-1    |      |
| 1,3-Dichlorobenzene         | <0.63   | ug/L                        | 2.1  | 0.63 | 1  |          | 10/27/18 00:07 | 541-73-1   |      |
| 1,4-Dichlorobenzene         | <0.94   | ug/L                        | 3.1  | 0.94 | 1  |          | 10/27/18 00:07 | 106-46-7   |      |
| Dichlorodifluoromethane     | <0.50   | ug/L                        | 5.0  | 0.50 | 1  |          | 10/27/18 00:07 | 75-71-8    |      |
| 1,1-Dichloroethane          | <0.27   | ug/L                        | 1.0  | 0.27 | 1  |          | 10/27/18 00:07 | 75-34-3    |      |
| 1,2-Dichloroethane          | <0.28   | ug/L                        | 1.0  | 0.28 | 1  |          | 10/27/18 00:07 | 107-06-2   |      |
| 1,1-Dichloroethene          | <0.24   | ug/L                        | 1.0  | 0.24 | 1  |          | 10/27/18 00:07 | 75-35-4    |      |
| cis-1,2-Dichloroethene      | 2.3     | ug/L                        | 1.0  | 0.27 | 1  |          | 10/27/18 00:07 | 156-59-2   |      |
| trans-1,2-Dichloroethene    | <1.1    | ug/L                        | 3.6  | 1.1  | 1  |          | 10/27/18 00:07 | 156-60-5   |      |
| 1,2-Dichloropropane         | <0.28   | ug/L                        | 1.0  | 0.28 | 1  |          | 10/27/18 00:07 | 78-87-5    |      |
| 1,3-Dichloropropane         | <0.83   | ug/L                        | 2.8  | 0.83 | 1  |          | 10/27/18 00:07 | 142-28-9   |      |
| 2,2-Dichloropropane         | <2.3    | ug/L                        | 7.6  | 2.3  | 1  |          | 10/27/18 00:07 | 594-20-7   |      |
| 1,1-Dichloropropene         | <0.54   | ug/L                        | 1.8  | 0.54 | 1  |          | 10/27/18 00:07 | 563-58-6   |      |
| cis-1,3-Dichloropropene     | <3.6    | ug/L                        | 12.1 | 3.6  | 1  |          | 10/27/18 00:07 | 10061-01-5 |      |
| trans-1,3-Dichloropropene   | <4.4    | ug/L                        | 14.6 | 4.4  | 1  |          | 10/27/18 00:07 | 10061-02-6 |      |
| Diisopropyl ether           | <1.9    | ug/L                        | 6.3  | 1.9  | 1  |          | 10/27/18 00:07 | 108-20-3   |      |
| Ethylbenzene                | <0.22   | ug/L                        | 1.0  | 0.22 | 1  |          | 10/27/18 00:07 | 100-41-4   |      |
| Hexachloro-1,3-butadiene    | <1.2    | ug/L                        | 5.0  | 1.2  | 1  |          | 10/27/18 00:07 | 87-68-3    |      |
| Isopropylbenzene (Cumene)   | <0.39   | ug/L                        | 5.0  | 0.39 | 1  |          | 10/27/18 00:07 | 98-82-8    |      |
| p-Isopropyltoluene          | <0.80   | ug/L                        | 2.7  | 0.80 | 1  |          | 10/27/18 00:07 | 99-87-6    |      |
| Methylene Chloride          | <0.58   | ug/L                        | 5.0  | 0.58 | 1  |          | 10/27/18 00:07 | 75-09-2    |      |
| Methyl-tert-butyl ether     | <1.2    | ug/L                        | 4.2  | 1.2  | 1  |          | 10/27/18 00:07 | 1634-04-4  |      |
| Naphthalene                 | <1.2    | ug/L                        | 5.0  | 1.2  | 1  |          | 10/27/18 00:07 | 91-20-3    |      |
| n-Propylbenzene             | <0.81   | ug/L                        | 5.0  | 0.81 | 1  |          | 10/27/18 00:07 | 103-65-1   |      |
| Styrene                     | <0.47   | ug/L                        | 1.6  | 0.47 | 1  |          | 10/27/18 00:07 | 100-42-5   |      |
| 1,1,1,2-Tetrachloroethane   | <0.27   | ug/L                        | 1.0  | 0.27 | 1  |          | 10/27/18 00:07 | 630-20-6   |      |

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### ANALYTICAL RESULTS

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

**Sample: MW-6**      **Lab ID: 40178374016**      Collected: 10/24/18 15:50      Received: 10/25/18 14:55      Matrix: Water

| Parameters                                  | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---|---------|-------|--------|------|----|----------|----------------|-------------|------|
| <b>8260 MSV</b> Analytical Method: EPA 8260 |         |       |        |      |    |          |                |             |      |
| 1,1,2,2-Tetrachloroethane                   | <0.28   | ug/L  | 1.0    | 0.28 | 1  |          | 10/27/18 00:07 | 79-34-5     |      |
| Tetrachloroethene                           | <0.33   | ug/L  | 1.1    | 0.33 | 1  |          | 10/27/18 00:07 | 127-18-4    |      |
| Toluene                                     | <0.17   | ug/L  | 5.0    | 0.17 | 1  |          | 10/27/18 00:07 | 108-88-3    |      |
| 1,2,3-Trichlorobenzene                      | <0.63   | ug/L  | 5.0    | 0.63 | 1  |          | 10/27/18 00:07 | 87-61-6     |      |
| 1,2,4-Trichlorobenzene                      | <0.95   | ug/L  | 5.0    | 0.95 | 1  |          | 10/27/18 00:07 | 120-82-1    |      |
| 1,1,1-Trichloroethane                       | <0.24   | ug/L  | 1.0    | 0.24 | 1  |          | 10/27/18 00:07 | 71-55-6     |      |
| 1,1,2-Trichloroethane                       | <0.55   | ug/L  | 5.0    | 0.55 | 1  |          | 10/27/18 00:07 | 79-00-5     |      |
| Trichloroethene                             | 5.2     | ug/L  | 1.0    | 0.26 | 1  |          | 10/27/18 00:07 | 79-01-6     |      |
| Trichlorofluoromethane                      | <0.21   | ug/L  | 1.0    | 0.21 | 1  |          | 10/27/18 00:07 | 75-69-4     |      |
| 1,2,3-Trichloropropane                      | <0.59   | ug/L  | 5.0    | 0.59 | 1  |          | 10/27/18 00:07 | 96-18-4     |      |
| 1,2,4-Trimethylbenzene                      | <0.84   | ug/L  | 2.8    | 0.84 | 1  |          | 10/27/18 00:07 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene                      | <0.87   | ug/L  | 2.9    | 0.87 | 1  |          | 10/27/18 00:07 | 108-67-8    |      |
| Vinyl chloride                              | <0.17   | ug/L  | 1.0    | 0.17 | 1  |          | 10/27/18 00:07 | 75-01-4     |      |
| Xylene (Total)                              | <1.5    | ug/L  | 3.0    | 1.5  | 1  |          | 10/27/18 00:07 | 1330-20-7   |      |
| m&p-Xylene                                  | <0.47   | ug/L  | 2.0    | 0.47 | 1  |          | 10/27/18 00:07 | 179601-23-1 |      |
| o-Xylene                                    | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 10/27/18 00:07 | 95-47-6     |      |
| <b>Surrogates</b>                           |         |       |        |      |    |          |                |             |      |
| 4-Bromofluorobenzene (S)                    | 88      | %     | 70-130 |      | 1  |          | 10/27/18 00:07 | 460-00-4    |      |
| Dibromofluoromethane (S)                    | 98      | %     | 70-130 |      | 1  |          | 10/27/18 00:07 | 1868-53-7   |      |
| Toluene-d8 (S)                              | 98      | %     | 70-130 |      | 1  |          | 10/27/18 00:07 | 2037-26-5   |      |

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## ANALYTICAL RESULTS

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

**Sample: TRIP BLANK**      **Lab ID: 40178374017**      Collected: 10/24/18 00:00      Received: 10/25/18 14:55      Matrix: Water

| Parameters                                  | Results | Units | LOQ  | LOD  | DF | Prepared | Analyzed       | CAS No.    | Qual |
|---|---------|-------|------|------|----|----------|----------------|------------|------|
| <b>8260 MSV</b> Analytical Method: EPA 8260 |         |       |      |      |    |          |                |            |      |
| Benzene                                     | <0.25   | ug/L  | 1.0  | 0.25 | 1  |          | 10/27/18 00:29 | 71-43-2    |      |
| Bromobenzene                                | <0.24   | ug/L  | 1.0  | 0.24 | 1  |          | 10/27/18 00:29 | 108-86-1   |      |
| Bromochloromethane                          | <0.36   | ug/L  | 5.0  | 0.36 | 1  |          | 10/27/18 00:29 | 74-97-5    |      |
| Bromodichloromethane                        | <0.36   | ug/L  | 1.2  | 0.36 | 1  |          | 10/27/18 00:29 | 75-27-4    |      |
| Bromoform                                   | <4.0    | ug/L  | 13.2 | 4.0  | 1  |          | 10/27/18 00:29 | 75-25-2    |      |
| Bromomethane                                | <0.97   | ug/L  | 5.0  | 0.97 | 1  |          | 10/27/18 00:29 | 74-83-9    |      |
| n-Butylbenzene                              | <0.71   | ug/L  | 2.4  | 0.71 | 1  |          | 10/27/18 00:29 | 104-51-8   |      |
| sec-Butylbenzene                            | <0.85   | ug/L  | 5.0  | 0.85 | 1  |          | 10/27/18 00:29 | 135-98-8   |      |
| tert-Butylbenzene                           | <0.30   | ug/L  | 1.0  | 0.30 | 1  |          | 10/27/18 00:29 | 98-06-6    |      |
| Carbon tetrachloride                        | <0.17   | ug/L  | 1.0  | 0.17 | 1  |          | 10/27/18 00:29 | 56-23-5    |      |
| Chlorobenzene                               | <0.71   | ug/L  | 2.4  | 0.71 | 1  |          | 10/27/18 00:29 | 108-90-7   |      |
| Chloroethane                                | <1.3    | ug/L  | 5.0  | 1.3  | 1  |          | 10/27/18 00:29 | 75-00-3    |      |
| Chloroform                                  | <1.3    | ug/L  | 5.0  | 1.3  | 1  |          | 10/27/18 00:29 | 67-66-3    |      |
| Chloromethane                               | <2.2    | ug/L  | 7.3  | 2.2  | 1  |          | 10/27/18 00:29 | 74-87-3    |      |
| 2-Chlorotoluene                             | <0.93   | ug/L  | 5.0  | 0.93 | 1  |          | 10/27/18 00:29 | 95-49-8    |      |
| 4-Chlorotoluene                             | <0.76   | ug/L  | 2.5  | 0.76 | 1  |          | 10/27/18 00:29 | 106-43-4   |      |
| 1,2-Dibromo-3-chloropropane                 | <1.8    | ug/L  | 5.9  | 1.8  | 1  |          | 10/27/18 00:29 | 96-12-8    |      |
| Dibromochloromethane                        | <2.6    | ug/L  | 8.7  | 2.6  | 1  |          | 10/27/18 00:29 | 124-48-1   |      |
| 1,2-Dibromoethane (EDB)                     | <0.83   | ug/L  | 2.8  | 0.83 | 1  |          | 10/27/18 00:29 | 106-93-4   |      |
| Dibromomethane                              | <0.94   | ug/L  | 3.1  | 0.94 | 1  |          | 10/27/18 00:29 | 74-95-3    |      |
| 1,2-Dichlorobenzene                         | <0.71   | ug/L  | 2.4  | 0.71 | 1  |          | 10/27/18 00:29 | 95-50-1    |      |
| 1,3-Dichlorobenzene                         | <0.63   | ug/L  | 2.1  | 0.63 | 1  |          | 10/27/18 00:29 | 541-73-1   |      |
| 1,4-Dichlorobenzene                         | <0.94   | ug/L  | 3.1  | 0.94 | 1  |          | 10/27/18 00:29 | 106-46-7   |      |
| Dichlorodifluoromethane                     | <0.50   | ug/L  | 5.0  | 0.50 | 1  |          | 10/27/18 00:29 | 75-71-8    |      |
| 1,1-Dichloroethane                          | <0.27   | ug/L  | 1.0  | 0.27 | 1  |          | 10/27/18 00:29 | 75-34-3    |      |
| 1,2-Dichloroethane                          | <0.28   | ug/L  | 1.0  | 0.28 | 1  |          | 10/27/18 00:29 | 107-06-2   |      |
| 1,1-Dichloroethene                          | <0.24   | ug/L  | 1.0  | 0.24 | 1  |          | 10/27/18 00:29 | 75-35-4    |      |
| cis-1,2-Dichloroethene                      | <0.27   | ug/L  | 1.0  | 0.27 | 1  |          | 10/27/18 00:29 | 156-59-2   |      |
| trans-1,2-Dichloroethene                    | <1.1    | ug/L  | 3.6  | 1.1  | 1  |          | 10/27/18 00:29 | 156-60-5   |      |
| 1,2-Dichloropropane                         | <0.28   | ug/L  | 1.0  | 0.28 | 1  |          | 10/27/18 00:29 | 78-87-5    |      |
| 1,3-Dichloropropane                         | <0.83   | ug/L  | 2.8  | 0.83 | 1  |          | 10/27/18 00:29 | 142-28-9   |      |
| 2,2-Dichloropropane                         | <2.3    | ug/L  | 7.6  | 2.3  | 1  |          | 10/27/18 00:29 | 594-20-7   |      |
| 1,1-Dichloropropene                         | <0.54   | ug/L  | 1.8  | 0.54 | 1  |          | 10/27/18 00:29 | 563-58-6   |      |
| cis-1,3-Dichloropropene                     | <3.6    | ug/L  | 12.1 | 3.6  | 1  |          | 10/27/18 00:29 | 10061-01-5 |      |
| trans-1,3-Dichloropropene                   | <4.4    | ug/L  | 14.6 | 4.4  | 1  |          | 10/27/18 00:29 | 10061-02-6 |      |
| Diisopropyl ether                           | <1.9    | ug/L  | 6.3  | 1.9  | 1  |          | 10/27/18 00:29 | 108-20-3   |      |
| Ethylbenzene                                | <0.22   | ug/L  | 1.0  | 0.22 | 1  |          | 10/27/18 00:29 | 100-41-4   |      |
| Hexachloro-1,3-butadiene                    | <1.2    | ug/L  | 5.0  | 1.2  | 1  |          | 10/27/18 00:29 | 87-68-3    |      |
| Isopropylbenzene (Cumene)                   | <0.39   | ug/L  | 5.0  | 0.39 | 1  |          | 10/27/18 00:29 | 98-82-8    |      |
| p-Isopropyltoluene                          | <0.80   | ug/L  | 2.7  | 0.80 | 1  |          | 10/27/18 00:29 | 99-87-6    |      |
| Methylene Chloride                          | <0.58   | ug/L  | 5.0  | 0.58 | 1  |          | 10/27/18 00:29 | 75-09-2    |      |
| Methyl-tert-butyl ether                     | <1.2    | ug/L  | 4.2  | 1.2  | 1  |          | 10/27/18 00:29 | 1634-04-4  |      |
| Naphthalene                                 | <1.2    | ug/L  | 5.0  | 1.2  | 1  |          | 10/27/18 00:29 | 91-20-3    |      |
| n-Propylbenzene                             | <0.81   | ug/L  | 5.0  | 0.81 | 1  |          | 10/27/18 00:29 | 103-65-1   |      |
| Styrene                                     | <0.47   | ug/L  | 1.6  | 0.47 | 1  |          | 10/27/18 00:29 | 100-42-5   |      |
| 1,1,1,2-Tetrachloroethane                   | <0.27   | ug/L  | 1.0  | 0.27 | 1  |          | 10/27/18 00:29 | 630-20-6   |      |

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### ANALYTICAL RESULTS

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

**Sample: TRIP BLANK**      **Lab ID: 40178374017**      Collected: 10/24/18 00:00      Received: 10/25/18 14:55      Matrix: Water

| Parameters                | Results | Units                       | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---------------------------|---------|-----------------------------|--------|------|----|----------|----------------|-------------|------|
| <b>8260 MSV</b>           |         | Analytical Method: EPA 8260 |        |      |    |          |                |             |      |
| 1,1,2,2-Tetrachloroethane | <0.28   | ug/L                        | 1.0    | 0.28 | 1  |          | 10/27/18 00:29 | 79-34-5     |      |
| Tetrachloroethene         | <0.33   | ug/L                        | 1.1    | 0.33 | 1  |          | 10/27/18 00:29 | 127-18-4    |      |
| Toluene                   | <0.17   | ug/L                        | 5.0    | 0.17 | 1  |          | 10/27/18 00:29 | 108-88-3    |      |
| 1,2,3-Trichlorobenzene    | <0.63   | ug/L                        | 5.0    | 0.63 | 1  |          | 10/27/18 00:29 | 87-61-6     |      |
| 1,2,4-Trichlorobenzene    | <0.95   | ug/L                        | 5.0    | 0.95 | 1  |          | 10/27/18 00:29 | 120-82-1    |      |
| 1,1,1-Trichloroethane     | <0.24   | ug/L                        | 1.0    | 0.24 | 1  |          | 10/27/18 00:29 | 71-55-6     |      |
| 1,1,2-Trichloroethane     | <0.55   | ug/L                        | 5.0    | 0.55 | 1  |          | 10/27/18 00:29 | 79-00-5     |      |
| Trichloroethene           | <0.26   | ug/L                        | 1.0    | 0.26 | 1  |          | 10/27/18 00:29 | 79-01-6     |      |
| Trichlorofluoromethane    | <0.21   | ug/L                        | 1.0    | 0.21 | 1  |          | 10/27/18 00:29 | 75-69-4     |      |
| 1,2,3-Trichloropropane    | <0.59   | ug/L                        | 5.0    | 0.59 | 1  |          | 10/27/18 00:29 | 96-18-4     |      |
| 1,2,4-Trimethylbenzene    | <0.84   | ug/L                        | 2.8    | 0.84 | 1  |          | 10/27/18 00:29 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene    | <0.87   | ug/L                        | 2.9    | 0.87 | 1  |          | 10/27/18 00:29 | 108-67-8    |      |
| Vinyl chloride            | <0.17   | ug/L                        | 1.0    | 0.17 | 1  |          | 10/27/18 00:29 | 75-01-4     |      |
| Xylene (Total)            | <1.5    | ug/L                        | 3.0    | 1.5  | 1  |          | 10/27/18 00:29 | 1330-20-7   |      |
| m&p-Xylene                | <0.47   | ug/L                        | 2.0    | 0.47 | 1  |          | 10/27/18 00:29 | 179601-23-1 |      |
| o-Xylene                  | <0.26   | ug/L                        | 1.0    | 0.26 | 1  |          | 10/27/18 00:29 | 95-47-6     |      |
| <b>Surrogates</b>         |         |                             |        |      |    |          |                |             |      |
| 4-Bromofluorobenzene (S)  | 91      | %                           | 70-130 |      | 1  |          | 10/27/18 00:29 | 460-00-4    |      |
| Dibromofluoromethane (S)  | 99      | %                           | 70-130 |      | 1  |          | 10/27/18 00:29 | 1868-53-7   |      |
| Toluene-d8 (S)            | 100     | %                           | 70-130 |      | 1  |          | 10/27/18 00:29 | 2037-26-5   |      |

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### QUALITY CONTROL DATA

Project: 1690010425 GORSKI LF  
Pace Project No.: 40178374

QC Batch: 304420 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Associated Lab Samples: 40178374001, 40178374002, 40178374003, 40178374004, 40178374005, 40178374006, 40178374007, 40178374008, 40178374009, 40178374010, 40178374011, 40178374012, 40178374013, 40178374014, 40178374015, 40178374016, 40178374017

METHOD BLANK: 1778654 Matrix: Water  
Associated Lab Samples: 40178374001, 40178374002, 40178374003, 40178374004, 40178374005, 40178374006, 40178374007, 40178374008, 40178374009, 40178374010, 40178374011, 40178374012, 40178374013, 40178374014, 40178374015, 40178374016, 40178374017

| Parameter                   | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|-----------------------------|-------|--------------|-----------------|----------------|------------|
| 1,1,1,2-Tetrachloroethane   | ug/L  | <0.27        | 1.0             | 10/26/18 14:11 |            |
| 1,1,1-Trichloroethane       | ug/L  | <0.24        | 1.0             | 10/26/18 14:11 |            |
| 1,1,2,2-Tetrachloroethane   | ug/L  | <0.28        | 1.0             | 10/26/18 14:11 |            |
| 1,1,2-Trichloroethane       | ug/L  | <0.55        | 5.0             | 10/26/18 14:11 |            |
| 1,1-Dichloroethane          | ug/L  | <0.27        | 1.0             | 10/26/18 14:11 |            |
| 1,1-Dichloroethene          | ug/L  | <0.24        | 1.0             | 10/26/18 14:11 |            |
| 1,1-Dichloropropene         | ug/L  | <0.54        | 1.8             | 10/26/18 14:11 |            |
| 1,2,3-Trichlorobenzene      | ug/L  | <0.63        | 5.0             | 10/26/18 14:11 |            |
| 1,2,3-Trichloropropane      | ug/L  | <0.59        | 5.0             | 10/26/18 14:11 |            |
| 1,2,4-Trichlorobenzene      | ug/L  | <0.95        | 5.0             | 10/26/18 14:11 |            |
| 1,2,4-Trimethylbenzene      | ug/L  | <0.84        | 2.8             | 10/26/18 14:11 |            |
| 1,2-Dibromo-3-chloropropane | ug/L  | <1.8         | 5.9             | 10/26/18 14:11 |            |
| 1,2-Dibromoethane (EDB)     | ug/L  | <0.83        | 2.8             | 10/26/18 14:11 |            |
| 1,2-Dichlorobenzene         | ug/L  | <0.71        | 2.4             | 10/26/18 14:11 |            |
| 1,2-Dichloroethane          | ug/L  | <0.28        | 1.0             | 10/26/18 14:11 |            |
| 1,2-Dichloropropane         | ug/L  | <0.28        | 1.0             | 10/26/18 14:11 |            |
| 1,3,5-Trimethylbenzene      | ug/L  | <0.87        | 2.9             | 10/26/18 14:11 |            |
| 1,3-Dichlorobenzene         | ug/L  | <0.63        | 2.1             | 10/26/18 14:11 |            |
| 1,3-Dichloropropane         | ug/L  | <0.83        | 2.8             | 10/26/18 14:11 |            |
| 1,4-Dichlorobenzene         | ug/L  | <0.94        | 3.1             | 10/26/18 14:11 |            |
| 2,2-Dichloropropane         | ug/L  | <2.3         | 7.6             | 10/26/18 14:11 |            |
| 2-Chlorotoluene             | ug/L  | <0.93        | 5.0             | 10/26/18 14:11 |            |
| 4-Chlorotoluene             | ug/L  | <0.76        | 2.5             | 10/26/18 14:11 |            |
| Benzene                     | ug/L  | <0.25        | 1.0             | 10/26/18 14:11 |            |
| Bromobenzene                | ug/L  | <0.24        | 1.0             | 10/26/18 14:11 |            |
| Bromochloromethane          | ug/L  | <0.36        | 5.0             | 10/26/18 14:11 |            |
| Bromodichloromethane        | ug/L  | <0.36        | 1.2             | 10/26/18 14:11 |            |
| Bromoform                   | ug/L  | <4.0         | 13.2            | 10/26/18 14:11 |            |
| Bromomethane                | ug/L  | <0.97        | 5.0             | 10/26/18 14:11 |            |
| Carbon tetrachloride        | ug/L  | <0.17        | 1.0             | 10/26/18 14:11 |            |
| Chlorobenzene               | ug/L  | <0.71        | 2.4             | 10/26/18 14:11 |            |
| Chloroethane                | ug/L  | <1.3         | 5.0             | 10/26/18 14:11 |            |
| Chloroform                  | ug/L  | <1.3         | 5.0             | 10/26/18 14:11 |            |
| Chloromethane               | ug/L  | <2.2         | 7.3             | 10/26/18 14:11 |            |
| cis-1,2-Dichloroethene      | ug/L  | <0.27        | 1.0             | 10/26/18 14:11 |            |
| cis-1,3-Dichloropropene     | ug/L  | <3.6         | 12.1            | 10/26/18 14:11 |            |
| Dibromochloromethane        | ug/L  | <2.6         | 8.7             | 10/26/18 14:11 |            |
| Dibromomethane              | ug/L  | <0.94        | 3.1             | 10/26/18 14:11 |            |

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 1690010425 GORSKI LF  
Pace Project No.: 40178374

METHOD BLANK: 1778654

Matrix: Water

Associated Lab Samples: 40178374001, 40178374002, 40178374003, 40178374004, 40178374005, 40178374006, 40178374007, 40178374008, 40178374009, 40178374010, 40178374011, 40178374012, 40178374013, 40178374014, 40178374015, 40178374016, 40178374017

| Parameter                 | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|---------------------------|-------|--------------|-----------------|----------------|------------|
| Dichlorodifluoromethane   | ug/L  | <0.50        | 5.0             | 10/26/18 14:11 |            |
| Diisopropyl ether         | ug/L  | <1.9         | 6.3             | 10/26/18 14:11 |            |
| Ethylbenzene              | ug/L  | <0.22        | 1.0             | 10/26/18 14:11 |            |
| Hexachloro-1,3-butadiene  | ug/L  | <1.2         | 5.0             | 10/26/18 14:11 |            |
| Isopropylbenzene (Cumene) | ug/L  | <0.39        | 5.0             | 10/26/18 14:11 |            |
| m&p-Xylene                | ug/L  | <0.47        | 2.0             | 10/26/18 14:11 |            |
| Methyl-tert-butyl ether   | ug/L  | <1.2         | 4.2             | 10/26/18 14:11 |            |
| Methylene Chloride        | ug/L  | <0.58        | 5.0             | 10/26/18 14:11 |            |
| n-Butylbenzene            | ug/L  | <0.71        | 2.4             | 10/26/18 14:11 |            |
| n-Propylbenzene           | ug/L  | <0.81        | 5.0             | 10/26/18 14:11 |            |
| Naphthalene               | ug/L  | <1.2         | 5.0             | 10/26/18 14:11 |            |
| o-Xylene                  | ug/L  | <0.26        | 1.0             | 10/26/18 14:11 |            |
| p-Isopropyltoluene        | ug/L  | <0.80        | 2.7             | 10/26/18 14:11 |            |
| sec-Butylbenzene          | ug/L  | <0.85        | 5.0             | 10/26/18 14:11 |            |
| Styrene                   | ug/L  | <0.47        | 1.6             | 10/26/18 14:11 |            |
| tert-Butylbenzene         | ug/L  | <0.30        | 1.0             | 10/26/18 14:11 |            |
| Tetrachloroethene         | ug/L  | <0.33        | 1.1             | 10/26/18 14:11 |            |
| Toluene                   | ug/L  | <0.17        | 5.0             | 10/26/18 14:11 |            |
| trans-1,2-Dichloroethene  | ug/L  | <1.1         | 3.6             | 10/26/18 14:11 |            |
| trans-1,3-Dichloropropene | ug/L  | <4.4         | 14.6            | 10/26/18 14:11 |            |
| Trichloroethene           | ug/L  | <0.26        | 1.0             | 10/26/18 14:11 |            |
| Trichlorofluoromethane    | ug/L  | <0.21        | 1.0             | 10/26/18 14:11 |            |
| Vinyl chloride            | ug/L  | <0.17        | 1.0             | 10/26/18 14:11 |            |
| Xylene (Total)            | ug/L  | <1.5         | 3.0             | 10/26/18 14:11 |            |
| 4-Bromofluorobenzene (S)  | %     | 90           | 70-130          | 10/26/18 14:11 |            |
| Dibromofluoromethane (S)  | %     | 96           | 70-130          | 10/26/18 14:11 |            |
| Toluene-d8 (S)            | %     | 98           | 70-130          | 10/26/18 14:11 |            |

LABORATORY CONTROL SAMPLE: 1778655

| Parameter                   | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,1-Trichloroethane       | ug/L  | 50          | 46.5       | 93        | 70-133       |            |
| 1,1,2,2-Tetrachloroethane   | ug/L  | 50          | 40.5       | 81        | 67-130       |            |
| 1,1,2-Trichloroethane       | ug/L  | 50          | 42.1       | 84        | 70-130       |            |
| 1,1-Dichloroethane          | ug/L  | 50          | 49.0       | 98        | 70-134       |            |
| 1,1-Dichloroethene          | ug/L  | 50          | 52.5       | 105       | 75-132       |            |
| 1,2,4-Trichlorobenzene      | ug/L  | 50          | 40.4       | 81        | 68-130       |            |
| 1,2-Dibromo-3-chloropropane | ug/L  | 50          | 37.1       | 74        | 60-126       |            |
| 1,2-Dibromoethane (EDB)     | ug/L  | 50          | 47.5       | 95        | 70-130       |            |
| 1,2-Dichlorobenzene         | ug/L  | 50          | 47.3       | 95        | 70-130       |            |
| 1,2-Dichloroethane          | ug/L  | 50          | 47.0       | 94        | 73-134       |            |
| 1,2-Dichloropropane         | ug/L  | 50          | 43.6       | 87        | 79-128       |            |

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### QUALITY CONTROL DATA

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

LABORATORY CONTROL SAMPLE: 1778655

| Parameter                 | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,3-Dichlorobenzene       | ug/L  | 50          | 47.0       | 94        | 70-130       |            |
| 1,4-Dichlorobenzene       | ug/L  | 50          | 48.0       | 96        | 70-130       |            |
| Benzene                   | ug/L  | 50          | 45.7       | 91        | 69-137       |            |
| Bromodichloromethane      | ug/L  | 50          | 43.2       | 86        | 70-130       |            |
| Bromoform                 | ug/L  | 50          | 40.6       | 81        | 64-133       |            |
| Bromomethane              | ug/L  | 50          | 38.9       | 78        | 29-123       |            |
| Carbon tetrachloride      | ug/L  | 50          | 46.7       | 93        | 73-142       |            |
| Chlorobenzene             | ug/L  | 50          | 48.3       | 97        | 70-130       |            |
| Chloroethane              | ug/L  | 50          | 48.6       | 97        | 59-133       |            |
| Chloroform                | ug/L  | 50          | 46.9       | 94        | 80-129       |            |
| Chloromethane             | ug/L  | 50          | 33.4       | 67        | 27-125       |            |
| cis-1,2-Dichloroethene    | ug/L  | 50          | 45.9       | 92        | 70-134       |            |
| cis-1,3-Dichloropropene   | ug/L  | 50          | 43.5       | 87        | 70-130       |            |
| Dibromochloromethane      | ug/L  | 50          | 43.7       | 87        | 70-130       |            |
| Dichlorodifluoromethane   | ug/L  | 50          | 35.3       | 71        | 12-127       |            |
| Ethylbenzene              | ug/L  | 50          | 46.5       | 93        | 86-127       |            |
| Isopropylbenzene (Cumene) | ug/L  | 50          | 47.2       | 94        | 70-130       |            |
| m&p-Xylene                | ug/L  | 100         | 98.2       | 98        | 70-131       |            |
| Methyl-tert-butyl ether   | ug/L  | 50          | 44.0       | 88        | 65-136       |            |
| Methylene Chloride        | ug/L  | 50          | 48.4       | 97        | 72-133       |            |
| o-Xylene                  | ug/L  | 50          | 45.6       | 91        | 70-130       |            |
| Styrene                   | ug/L  | 50          | 47.5       | 95        | 70-130       |            |
| Tetrachloroethene         | ug/L  | 50          | 49.5       | 99        | 70-130       |            |
| Toluene                   | ug/L  | 50          | 46.8       | 94        | 84-124       |            |
| trans-1,2-Dichloroethene  | ug/L  | 50          | 50.9       | 102       | 70-133       |            |
| trans-1,3-Dichloropropene | ug/L  | 50          | 40.7       | 81        | 67-130       |            |
| Trichloroethene           | ug/L  | 50          | 49.2       | 98        | 70-130       |            |
| Trichlorofluoromethane    | ug/L  | 50          | 53.6       | 107       | 69-147       |            |
| Vinyl chloride            | ug/L  | 50          | 42.3       | 85        | 48-134       |            |
| Xylene (Total)            | ug/L  | 150         | 144        | 96        | 70-130       |            |
| 4-Bromofluorobenzene (S)  | %     |             |            | 93        | 70-130       |            |
| Dibromofluoromethane (S)  | %     |             |            | 100       | 70-130       |            |
| Toluene-d8 (S)            | %     |             |            | 95        | 70-130       |            |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1778656 1778657

| Parameter                 | Units | MS                 |             | MSD         |           | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---------------------------|-------|--------------------|-------------|-------------|-----------|-----------|------------|----------|-----------|--------------|-----|---------|------|
|                           |       | 40178374012 Result | Spike Conc. | Spike Conc. | MS Result |           |            |          |           |              |     |         |      |
| 1,1,1-Trichloroethane     | ug/L  | <0.24              | 50          | 50          | 47.4      | 47.0      | 95         | 94       | 70-136    | 1            | 20  |         |      |
| 1,1,2,2-Tetrachloroethane | ug/L  | <0.28              | 50          | 50          | 41.7      | 40.9      | 83         | 82       | 67-133    | 2            | 20  |         |      |
| 1,1,2-Trichloroethane     | ug/L  | <0.55              | 50          | 50          | 43.6      | 43.2      | 87         | 86       | 70-130    | 1            | 20  |         |      |
| 1,1,2-Dichloroethane      | ug/L  | <0.27              | 50          | 50          | 50.5      | 50.1      | 101        | 100      | 70-139    | 1            | 20  |         |      |
| 1,1-Dichloroethene        | ug/L  | <0.24              | 50          | 50          | 53.6      | 53.0      | 107        | 106      | 72-137    | 1            | 20  |         |      |
| 1,2,4-Trichlorobenzene    | ug/L  | <0.95              | 50          | 50          | 41.5      | 42.4      | 83         | 85       | 68-130    | 2            | 20  |         |      |

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### QUALITY CONTROL DATA

Project: 1690010425 GORSKI LF  
Pace Project No.: 40178374

| Parameter                   | Units | MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1778656 |                      | 1778657               |      | MS<br>Result | MSD<br>Result | MS<br>% Rec | MSD<br>% Rec | % Rec<br>Limits | Max<br>RPD | RPD | Qual |
|-----------------------------|-------|--|----------------------|-----------------------|------|--------------|---------------|-------------|--------------|-----------------|------------|-----|------|
|                             |       | 40178374012<br>Result                          | MS<br>Spike<br>Conc. | MSD<br>Spike<br>Conc. |      |              |               |             |              |                 |            |     |      |
| 1,2-Dibromo-3-chloropropane | ug/L  | <1.8   | 50                   | 50                    | 36.4 | 37.0         | 73            | 74          | 60-130       | 2               | 21         |     |      |
| 1,2-Dibromoethane (EDB)     | ug/L  | <0.83  | 50                   | 50                    | 47.9 | 48.0         | 96            | 96          | 70-130       | 0               | 20         |     |      |
| 1,2-Dichlorobenzene         | ug/L  | <0.71  | 50                   | 50                    | 48.3 | 47.6         | 97            | 95          | 70-130       | 2               | 20         |     |      |
| 1,2-Dichloroethane          | ug/L  | <0.28  | 50                   | 50                    | 47.5 | 45.7         | 95            | 91          | 71-137       | 4               | 20         |     |      |
| 1,2-Dichloropropane         | ug/L  | <0.28  | 50                   | 50                    | 44.3 | 43.8         | 89            | 88          | 78-130       | 1               | 20         |     |      |
| 1,3-Dichlorobenzene         | ug/L  | <0.63  | 50                   | 50                    | 48.4 | 47.6         | 97            | 95          | 70-130       | 2               | 20         |     |      |
| 1,4-Dichlorobenzene         | ug/L  | <0.94  | 50                   | 50                    | 49.6 | 49.6         | 99            | 99          | 70-130       | 0               | 20         |     |      |
| Benzene                     | ug/L  | <0.25  | 50                   | 50                    | 47.2 | 46.6         | 94            | 93          | 66-143       | 1               | 20         |     |      |
| Bromodichloromethane        | ug/L  | <0.36  | 50                   | 50                    | 44.1 | 42.7         | 88            | 85          | 70-130       | 3               | 20         |     |      |
| Bromoform                   | ug/L  | <4.0   | 50                   | 50                    | 41.7 | 41.8         | 83            | 84          | 64-134       | 0               | 20         |     |      |
| Bromomethane                | ug/L  | <0.97  | 50                   | 50                    | 39.6 | 39.9         | 79            | 80          | 29-136       | 1               | 25         |     |      |
| Carbon tetrachloride        | ug/L  | <0.17  | 50                   | 50                    | 48.4 | 48.2         | 97            | 96          | 73-142       | 0               | 20         |     |      |
| Chlorobenzene               | ug/L  | <0.71  | 50                   | 50                    | 50.1 | 49.1         | 100           | 98          | 70-130       | 2               | 20         |     |      |
| Chloroethane                | ug/L  | <1.3   | 50                   | 50                    | 50.7 | 48.7         | 101           | 97          | 58-138       | 4               | 20         |     |      |
| Chloroform                  | ug/L  | <1.3   | 50                   | 50                    | 47.6 | 46.5         | 95            | 93          | 80-131       | 2               | 20         |     |      |
| Chloromethane               | ug/L  | <2.2   | 50                   | 50                    | 33.3 | 33.5         | 67            | 67          | 24-125       | 1               | 20         |     |      |
| cis-1,2-Dichloroethene      | ug/L  | 10.4   | 50                   | 50                    | 56.4 | 56.3         | 92            | 92          | 68-137       | 0               | 22         |     |      |
| cis-1,3-Dichloropropene     | ug/L  | <3.6   | 50                   | 50                    | 44.1 | 43.5         | 88            | 87          | 70-130       | 1               | 20         |     |      |
| Dibromochloromethane        | ug/L  | <2.6   | 50                   | 50                    | 44.4 | 45.8         | 89            | 92          | 70-131       | 3               | 20         |     |      |
| Dichlorodifluoromethane     | ug/L  | <0.50  | 50                   | 50                    | 35.6 | 35.9         | 71            | 72          | 10-127       | 1               | 20         |     |      |
| Ethylbenzene                | ug/L  | <0.22  | 50                   | 50                    | 47.9 | 47.4         | 96            | 95          | 81-136       | 1               | 20         |     |      |
| Isopropylbenzene (Cumene)   | ug/L  | <0.39  | 50                   | 50                    | 46.8 | 46.6         | 94            | 93          | 70-132       | 0               | 20         |     |      |
| m&p-Xylene                  | ug/L  | <0.47  | 100                  | 100                   | 98.2 | 99.2         | 98            | 99          | 70-135       | 1               | 20         |     |      |
| Methyl-tert-butyl ether     | ug/L  | <1.2   | 50                   | 50                    | 45.0 | 44.3         | 90            | 89          | 58-142       | 2               | 23         |     |      |
| Methylene Chloride          | ug/L  | <0.58  | 50                   | 50                    | 49.4 | 48.5         | 99            | 97          | 69-137       | 2               | 20         |     |      |
| o-Xylene                    | ug/L  | <0.26  | 50                   | 50                    | 48.3 | 46.8         | 97            | 94          | 70-132       | 3               | 20         |     |      |
| Styrene                     | ug/L  | <0.47  | 50                   | 50                    | 49.0 | 48.3         | 98            | 97          | 70-130       | 1               | 20         |     |      |
| Tetrachloroethene           | ug/L  | <0.33  | 50                   | 50                    | 50.3 | 49.6         | 101           | 99          | 70-132       | 1               | 20         |     |      |
| Toluene                     | ug/L  | <0.17  | 50                   | 50                    | 47.7 | 47.8         | 95            | 96          | 81-130       | 0               | 20         |     |      |
| trans-1,2-Dichloroethene    | ug/L  | <1.1   | 50                   | 50                    | 52.5 | 52.6         | 104           | 104         | 70-136       | 0               | 20         |     |      |
| trans-1,3-Dichloropropene   | ug/L  | <4.4   | 50                   | 50                    | 40.7 | 41.1         | 81            | 82          | 67-130       | 1               | 20         |     |      |
| Trichloroethene             | ug/L  | 1.2  | 50                   | 50                    | 49.3 | 49.4         | 96            | 96          | 70-131       | 0               | 20         |     |      |
| Trichlorofluoromethane      | ug/L  | <0.21  | 50                   | 50                    | 55.3 | 55.0         | 111           | 110         | 66-150       | 1               | 20         |     |      |
| Vinyl chloride              | ug/L  | <0.17  | 50                   | 50                    | 43.6 | 43.3         | 87            | 87          | 46-134       | 1               | 20         |     |      |
| Xylene (Total)              | ug/L  | <1.5   | 150                  | 150                   | 146  | 146          | 98            | 97          | 70-134       | 0               | 20         |     |      |
| 4-Bromofluorobenzene (S)    | %     |  |                      |                       |      |              | 92            | 91          | 70-130       |                 |            |     |      |
| Dibromofluoromethane (S)    | %     |  |                      |                       |      |              | 100           | 101         | 70-130       |                 |            |     |      |
| Toluene-d8 (S)              | %     |  |                      |                       |      |              | 96            | 96          | 70-130       |                 |            |     |      |

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## QUALIFIERS

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-G Pace Analytical Services - Green Bay

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1690010425 GORSKI LF

Pace Project No.: 40178374

| Lab ID      | Sample ID   | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|-------------|-----------------|----------|-------------------|------------------|
| 40178374001 | 1096 CTH KK | EPA 8260        | 304420   |                   |                  |
| 40178374002 | 1101 CTH KK | EPA 8260        | 304420   |                   |                  |
| 40178374003 | 1058 CTH KK | EPA 8260        | 304420   |                   |                  |
| 40178374004 | 1054 CTH KK | EPA 8260        | 304420   |                   |                  |
| 40178374005 | 666 CTH B   | EPA 8260        | 304420   |                   |                  |
| 40178374006 | 670 CTH B   | EPA 8260        | 304420   |                   |                  |
| 40178374007 | 669 CTH B   | EPA 8260        | 304420   |                   |                  |
| 40178374008 | 669 CTH BD  | EPA 8260        | 304420   |                   |                  |
| 40178374009 | 626 CTH B   | EPA 8260        | 304420   |                   |                  |
| 40178374010 | 642R CTH B  | EPA 8260        | 304420   |                   |                  |
| 40178374011 | 652R CTH B  | EPA 8260        | 304420   |                   |                  |
| 40178374012 | PZ-3        | EPA 8260        | 304420   |                   |                  |
| 40178374013 | MW-4        | EPA 8260        | 304420   |                   |                  |
| 40178374014 | MW-4D       | EPA 8260        | 304420   |                   |                  |
| 40178374015 | PZ-4        | EPA 8260        | 304420   |                   |                  |
| 40178374016 | MW-6        | EPA 8260        | 304420   |                   |                  |
| 40178374017 | TRIP BLANK  | EPA 8260        | 304420   |                   |                  |

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

(Please Print Clearly)

Company Name: **Ramboll US Corp**  
 Branch/Location: **Brookfield, WI**  
 Project Contact: **Mark Medel**  
 Phone: **262 901 0121**  
 Project Number: **1690010425**  
 Project Name: **Gorski LF**  
 Project State: **WI**  
 Sampled By (Print): **David Markelz**  
 Sampled By (Sign): **D.L. Markelz**



UPPER MIDWEST REGION  
 MN: 612-607-1700 WI: 920-469-2436

### CHAIN OF CUSTODY

**Preservation Codes**  
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH  
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?  
(YES/NO)  
 PRESERVATION  
(CODE)\*

| Y/M | Pick Letter | Analysis Requested | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|-----|-------------|--------------------|---|---|---|---|---|---|---|---|---|----|----|----|
| N   | B           | VOL (2260)         |   |   |   |   |   |   |   |   |   |    |    |    |
|     |             |                    |   |   |   |   |   |   |   |   |   |    |    |    |

Quote #: **40178374**  
 Mail To Contact:  
 Mail To Company:  
 Mail To Address:  
 Invoice To Contact: **Mark Medel**  
 Invoice To Company: **Ramboll US Corp**  
 Invoice To Address: **175 N. Corporate Dr  
 #160  
 Brookfield, WI 53045**  
 Invoice To Phone:  
 CLIENT COMMENTS  
 LAB COMMENTS (Lab Use Only)  
 Profile #

**Data Package Options** (billable)  
 EPA Level III  
 EPA Level IV

**MS/MSD**  
 On your sample (billable)  
 NOT needed on your sample

**Matrix Codes**  
 A = Air W = Water  
 B = Biota DW = Drinking Water  
 C = Charcoal GW = Ground Water  
 O = Oil SW = Surface Water  
 S = Soil WW = Waste Water  
 Sl = Sludge WP = Wipe

| PACE LAB # | CLIENT FIELD ID | COLLECTION |      | MATRIX | Analysis Requested |
|------------|-----------------|------------|------|--------|--------------------|
|            |                 | DATE       | TIME |        |                    |
| 001        | 1096 CTH KK     | 10/27/18   | 0945 | DW     | X                  |
| 002        | 1101 CTH KK     |            | 1000 | DW     | X                  |
| 003        | 1058 CTH KK     |            | 1015 | DW     | X                  |
| 004        | 1054 CTH KK     |            | 1030 | DW     | X                  |
| 005        | 666 CTH B       |            | 1100 | DW     | X                  |
| 006        | 670 CTH B       |            | 1115 | DW     | X                  |
| 007        | 669 CTH B       |            | 1130 | DW     | X                  |
| 008        | 669 CTH BD      |            | 1132 | DW     | X                  |
| 009        | 626 CTH B       |            | 1145 | DW     | X                  |
| 010        | 642 R CTH B     |            | 1200 | DW     | X                  |
| 011        | 652 R CTH B     |            | 1215 | DW     | X                  |
| 012        | PZ-3            |            | 1345 | GW     | X                  |
| 013        | MW-4            |            | 1440 | GW     | X                  |

Rush Turnaround Time Requested - Prelims  
 (Rush TAT subject to approval/surcharge)  
 Date Needed:  
 Transmit Prelim Rush Results by (complete what you want):  
 Email #1:  
 Email #2:  
 Telephone:  
 Fax:  
 Samples on HOLD are subject to special pricing and release of liability

|  |  |
|--|--|
| Relinquished By: <b>D.L. Markelz</b><br>Date/Time: <b>10/25/18</b>       | Received By: <b>David Markelz</b><br>Date/Time: <b>10/25/18 1110</b> |
| Relinquished By: <b>David Markelz</b><br>Date/Time: <b>10/25/18 1455</b> | Received By: <b>David Markelz</b><br>Date/Time: <b>10/25/18 1451</b> |
| Relinquished By:   | Received By:   |
| Relinquished By:   | Received By:   |
| Relinquished By:   | Received By:   |

PACE Project No. **40178374**  
 Receipt Temp = **101** °C  
 Sample Receipt pH  
 OK / Adjusted  
 Cooler Custody Seal  
 Present / Not Present  
 Intact / Not Intact

Extra Vials for MS/MSD



(Please Print Clearly)

|                     |                 |
|---------------------|-----------------|
| Company Name:       | Ramboll US Corp |
| Branch/Location:    | Brookfield, WI  |
| Project Contact:    | Mark Medel      |
| Phone:              | 262 961 0127    |
| Project Number:     | 1696010425      |
| Project Name:       | Gorski LF       |
| Project State:      | WI              |
| Sampled By (Print): | Dave Markel     |
| Sampled By (Sign):  | Dave M          |
| PO #:               |                 |
| Regulatory Program: |                 |



UPPER MIDWEST REGION  
MN: 612-607-1700 WI: 920-469-2436

Page 2 of 2  
40178374  
Page 47 of 49

### CHAIN OF CUSTODY

**Preservation Codes**  
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH  
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?  
(YES/NO)  
PRESERVATION  
(CODE)\*

| Y/N | Pick Letter | Analyses Requested |  |  |  |  |  |  |  |  |
|-----|-------------|--------------------|--|--|--|--|--|--|--|--|
| N   | B           | Vials (8260)       |  |  |  |  |  |  |  |  |
|     |             |                    |  |  |  |  |  |  |  |  |
|     |             |                    |  |  |  |  |  |  |  |  |
|     |             |                    |  |  |  |  |  |  |  |  |
|     |             |                    |  |  |  |  |  |  |  |  |
|     |             |                    |  |  |  |  |  |  |  |  |
|     |             |                    |  |  |  |  |  |  |  |  |
|     |             |                    |  |  |  |  |  |  |  |  |
|     |             |                    |  |  |  |  |  |  |  |  |
|     |             |                    |  |  |  |  |  |  |  |  |
|     |             |                    |  |  |  |  |  |  |  |  |
|     |             |                    |  |  |  |  |  |  |  |  |
|     |             |                    |  |  |  |  |  |  |  |  |
|     |             |                    |  |  |  |  |  |  |  |  |
|     |             |                    |  |  |  |  |  |  |  |  |
|     |             |                    |  |  |  |  |  |  |  |  |
|     |             |                    |  |  |  |  |  |  |  |  |
|     |             |                    |  |  |  |  |  |  |  |  |
|     |             |                    |  |  |  |  |  |  |  |  |

|                     |   |           |
|---------------------|---|-----------|
| Quote #:            |   |           |
| Mail To Contact:    |   |           |
| Mail To Company:    |   |           |
| Mail To Address:    |   |           |
| Invoice To Contact: | Mark Medel  |           |
| Invoice To Company: | Ramboll US Corp                                     |           |
| Invoice To Address: | 175 N. Corporate Dr<br>#160<br>Brookfield, WI 53005 |           |
| Invoice To Phone:   |   |           |
| CLIENT COMMENTS     | LAB COMMENTS (Lab Use Only)                         | Profile # |

|   |  |                     |
|---|--|---------------------|
| <b>Data Package Options</b><br>(billable) | <b>MS/MSD</b>                                      | <b>Matrix Codes</b> |
| <input type="checkbox"/> EPA Level III    | <input type="checkbox"/> On your sample (billable) | A = Air             |
| <input type="checkbox"/> EPA Level IV     | <input type="checkbox"/> NOT needed on your sample | B = Biota           |
|   |  | C = Charcoal        |
|   |  | D = Drinking Water  |
|   |  | E = Ground Water    |
|   |  | F = Surface Water   |
|   |  | G = Soil            |
|   |  | H = Waste Water     |
|   |  | I = Sludge          |
|   |  | J = Wipe            |

| PACE LAB # | CLIENT FIELD ID | COLLECTION |      | MATRIX | Analyses Requested |
|------------|-----------------|------------|------|--------|--------------------|
|            |                 | DATE       | TIME |        |                    |
| 014        | MW-4 D          | 10/24/18   | 1442 | GW     | X                  |
| 015        | PZ-4            | 10/24/18   | 1520 | GW     | X                  |
| 016        | MW-6            | 10/24/18   | 1550 | GW     | X                  |
| 017        | Trip Blank      | 10/24/18   |      |        | X                  |
|            |                 |            |      |        |                    |
|            |                 |            |      |        |                    |
|            |                 |            |      |        |                    |
|            |                 |            |      |        |                    |
|            |                 |            |      |        |                    |
|            |                 |            |      |        |                    |
|            |                 |            |      |        |                    |
|            |                 |            |      |        |                    |
|            |                 |            |      |        |                    |
|            |                 |            |      |        |                    |
|            |                 |            |      |        |                    |
|            |                 |            |      |        |                    |
|            |                 |            |      |        |                    |
|            |                 |            |      |        |                    |
|            |                 |            |      |        |                    |
|            |                 |            |      |        |                    |

|  |                              |                          |                          |                          |
|--|------------------------------|--------------------------|--------------------------|--------------------------|
| Rush Turnaround Time Requested - Prelims<br>(Rush TAT subject to approval/surcharge)<br>Date Needed:<br><br>Transmit Prelim Rush Results by (complete what you want):<br>Email #1:<br>Email #2:<br>Telephone:<br>Fax:<br>Samples on HOLD are subject to special pricing and release of liability | Relinquished By: Paul Markel | Date/Time: 10/25/18      | Received By: [Signature] | Date/Time: 10/25/18 1110 |
|  | Relinquished By: [Signature] | Date/Time: 10/25/18 1455 | Received By: [Signature] | Date/Time: 10/25/18 1455 |
|  | Relinquished By:             | Date/Time:               | Received By:             | Date/Time:               |
|  | Relinquished By:             | Date/Time:               | Received By:             | Date/Time:               |
|  | Relinquished By:             | Date/Time:               | Received By:             | Date/Time:               |

|                     |                       |
|---------------------|-----------------------|
| PAGE Project No.    | 40178374              |
| Receipt Temp =      | 101 °C                |
| Sample Receipt pH   | OK / Adjusted         |
| Cooler Custody Seal | Present / Not Present |
| Intact / Not Intact |                       |



### Sample Preservation Receipt Form

Client Name: Ramboll

Project # 401787M

All containers needing preservation have been checked and noted below:  Yes  No  N/A

Lab Lot# of pH paper:

Lab Std #ID of preservation (if pH adjusted):

Initial when completed:

Date/Time:

| Pace Lab # | Glass |      |      |      |      |      | Plastic |      |      |      |      |      | Vials |      |      |      | Jars |      |      | General |      |      | VOA Vials (>6mm) * | H2SO4 pH ≤2 | NaOH+Zn Act pH ≥9 | NaOH pH ≥12 | HNO3 pH ≤2 | pH after adjusted | Volume (mL) |      |              |
|------------|-------|------|------|------|------|------|---------|------|------|------|------|------|-------|------|------|------|------|------|------|---------|------|------|--------------------|-------------|-------------------|-------------|------------|-------------------|-------------|------|--------------|
|            | AG1U  | AG1H | AG4S | AG4U | AG5U | AG2S | BG3U    | BP1U | BP2N | BP2Z | BP3U | BP3C | BP3N  | BP3S | DG9A | DG9T | VG9U | VG9H | VG9M | VG9D    | JGFU | WGFU |                    |             |                   |             |            |                   |             | WPFU | SP5T         |
| 001        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |             |                   |             |            |                   |             |      | 2.5 / 5 / 10 |
| 002        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |             |                   |             |            |                   |             |      | 2.5 / 5 / 10 |
| 003        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |             |                   |             |            |                   |             |      | 2.5 / 5 / 10 |
| 004        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |             |                   |             |            |                   |             |      | 2.5 / 5 / 10 |
| 005        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |             |                   |             |            |                   |             |      | 2.5 / 5 / 10 |
| 006        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |             |                   |             |            |                   |             |      | 2.5 / 5 / 10 |
| 007        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |             |                   |             |            |                   |             |      | 2.5 / 5 / 10 |
| 008        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |             |                   |             |            |                   |             |      | 2.5 / 5 / 10 |
| 009        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |             |                   |             |            |                   |             |      | 2.5 / 5 / 10 |
| 010        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |             |                   |             |            |                   |             |      | 2.5 / 5 / 10 |
| 011        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |             |                   |             |            |                   |             |      | 2.5 / 5 / 10 |
| 012        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |             |                   |             |            |                   |             |      | 2.5 / 5 / 10 |
| 013        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |             |                   |             |            |                   |             |      | 2.5 / 5 / 10 |
| 014        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |             |                   |             |            |                   |             |      | 2.5 / 5 / 10 |
| 015        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |             |                   |             |            |                   |             |      | 2.5 / 5 / 10 |
| 016        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |             |                   |             |            |                   |             |      | 2.5 / 5 / 10 |
| 017        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |             |                   |             |            |                   |             |      | 2.5 / 5 / 10 |
| 018        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 2    |      |      |         |      |      |                    |             |                   |             |            |                   |             |      | 2.5 / 5 / 10 |
| 019        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      |      |      |      |         |      |      |                    |             |                   |             |            |                   |             |      | 2.5 / 5 / 10 |
| 020        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      |      |      |      |         |      |      |                    |             |                   |             |            |                   |             |      | 2.5 / 5 / 10 |

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: \_\_\_\_\_ Headspace in VOA Vials (>6mm) :  Yes  No  N/A \*If yes look in headspace column

|      |                           |      |                            |      |                         |      |                               |
|------|---------------------------|------|----------------------------|------|-------------------------|------|-------------------------------|
| AG1U | 1 liter amber glass       | BP1U | 1 liter plastic unpres     | DG9A | 40 mL amber ascorbic    | JGFU | 4 oz amber jar unpres         |
| AG1H | 1 liter amber glass HCL   | BP2N | 500 mL plastic HNO3        | DG9T | 40 mL amber Na Thio     | WGFU | 4 oz clear jar unpres         |
| AG4S | 125 mL amber glass H2SO4  | BP2Z | 500 mL plastic NaOH, Znact | VG9U | 40 mL clear vial unpres | WPFU | 4 oz plastic jar unpres       |
| AG4U | 120 mL amber glass unpres | BP3U | 250 mL plastic unpres      | VG9H | 40 mL clear vial HCL    |      |                               |
| AG5U | 100 mL amber glass unpres | BP3C | 250 mL plastic NaOH        | VG9M | 40 mL clear vial MeOH   | SP5T | 120 mL plastic Na Thiosulfate |
| AG2S | 500 mL amber glass H2SO4  | BP3N | 250 mL plastic HNO3        | VG9D | 40 mL clear vial DI     | ZPLC | ziploc bag                    |
| BG3U | 250 mL clear glass unpres | BP3S | 250 mL plastic H2SO4       |      |                         | GN:  |                               |



Document Name: Sample Condition Upon Receipt (SCUR)  
Document No.: F-GB-C-031-Rev.07

Document Revised: 25Apr2018  
Issuing Authority: Pace Green Bay Quality Office

### Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: Ramboll

WO#: **40178374**

Courier:  CS Logistics  Fed Ex  Speedee  UPS  Walco  
 Client  Pace Other: \_\_\_\_\_



Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Custody Seal on Samples Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used SR - NA Type of Ice:  Wet  Blue  Dry  None  Samples on ice, cooling process has begun

Cooler Temperature Uncorr: \_\_\_\_\_ / Corr: R01

Temp Blank Present:  yes  no Biological Tissue is Frozen:  yes  no

Temp should be above freezing to 6°C.  
Biota Samples may be received at ≤ 0°C.

Person examining contents:  
Date: 10/25/18  
Initials: R

|  |  |                      |
|--|--|----------------------|
| Chain of Custody Present:  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 1.                   |
| Chain of Custody Filled Out:   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 2. <u>no mail to</u> |
| Chain of Custody Relinquished:   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 3. <u>no time</u>    |
| Sampler Name & Signature on COC:   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 4.                   |
| Samples Arrived within Hold Time:  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 5.                   |
| - VOA Samples frozen upon receipt  | <input type="checkbox"/> Yes <input type="checkbox"/> No   | Date/Time:           |
| Short Hold Time Analysis (<72hr):  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 6.                   |
| Rush Turn Around Time Requested:   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 7.                   |
| Sufficient Volume:   |  | 8.                   |
| For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A |  |                      |
| Correct Containers Used:   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 9.                   |
| -Pace Containers Used:   | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A            |                      |
| -Pace IR Containers Used:  | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A |                      |
| Containers Intact:   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 10.                  |
| Filtered volume received for Dissolved tests   | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 11.                  |
| Sample Labels match COC:   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 12.                  |
| -Includes date/time/ID/Analysis Matrix:  |  |                      |
| Trip Blank Present:  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 13.                  |
| Trip Blank Custody Seals Present   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A |                      |
| Pace Trip Blank Lot # (if purchased): <u>A10</u>   |  |                      |

Client Notification/ Resolution: \_\_\_\_\_ If checked, see attached form for additional comments   
Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
Comments/ Resolution: \_\_\_\_\_

Project Manager Review: \_\_\_\_\_

Date: 10/26/18