

August 22, 2018

Rob King
Hampton Bays Water District
P.O. Box 1013
Hampton Bays, NY 11946

RE: Project: IOC/BACT/VOC 8/15
Pace Project No.: 7061689

Dear Rob King:
Enclosed are the analytical results for sample(s) received by the laboratory on August 15, 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,



Stu Murrell
stu.murrell@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Warren Booth, Hampton Bays Water District
John Collins, H2M Group
Stella Michaels, Hampton Bays Water District
Paul Ponturo, H2M Group



REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: IOC/BACT/VOC 8/15

Pace Project No.: 7061689

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: IOC/BACT/VOC 8/15

Pace Project No.: 7061689

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|------------|-----------------|----------------|----------------|----------------|
| 7061689001 | S-15687 | Drinking Water | 08/15/18 07:55 | 08/15/18 15:00 |
| 7061689002 | S-24848 | Drinking Water | 08/15/18 08:10 | 08/15/18 15:00 |
| 7061689003 | S-31636 | Drinking Water | 08/15/18 08:20 | 08/15/18 15:00 |
| 7061689004 | S-15687/S-24848 | Drinking Water | 08/15/18 08:35 | 08/15/18 15:00 |

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: IOC/BACT/VOC 8/15

Pace Project No.: 7061689

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|------------|-----------|---------------------|----------|-------------------|
| 7061689001 | S-15687 | EPA 200.7 | JMW | 5 |
| | | EPA 200.8 | SK2 | 12 |
| | | SM22 9223B Colilert | NML | 2 |
| | | EPA 524.2 | KGG | 62 |
| | | SM22 2120B | BP1 | 2 |
| | | SM22 2150B | BP1 | 1 |
| | | SM22 2510B | ML | 1 |
| | | SM22 5540C | BP1 | 2 |
| | | EPA 300.0 | BNK | 2 |
| | | EPA 353.2 | SDO | 2 |
| | | EPA 353.2 | SDO | 1 |
| | | SM22 4500-CN-E | JS3 | 1 |
| | | SM22 4500-CI-E | BNK | 1 |
| | | SM22 4500 NH3 H | DJS | 1 |
| 7061689002 | S-24848 | EPA 200.7 | JMW | 5 |
| | | EPA 200.8 | SK2 | 12 |
| | | SM22 9223B Colilert | NML | 2 |
| | | EPA 524.2 | KGG | 62 |
| | | SM22 2120B | BP1 | 2 |
| | | SM22 2150B | BP1 | 1 |
| | | SM22 2510B | ML | 1 |
| | | SM22 5540C | BP1 | 2 |
| | | EPA 300.0 | BNK | 2 |
| | | EPA 353.2 | SDO | 2 |
| | | EPA 353.2 | SDO | 1 |
| | | SM22 4500-CN-E | JS3 | 1 |
| | | SM22 4500-CI-E | BNK | 1 |
| | | SM22 4500 NH3 H | DJS | 1 |
| 7061689003 | S-31636 | EPA 200.7 | JMW | 5 |
| | | EPA 200.8 | SK2 | 12 |
| | | SM22 9223B Colilert | NML | 2 |
| | | EPA 524.2 | KGG | 62 |
| | | SM22 2120B | BP1 | 2 |
| | | SM22 2150B | BP1 | 1 |
| | | SM22 2510B | ML | 1 |
| | | SM22 5540C | BP1 | 2 |
| | | EPA 300.0 | BNK | 2 |

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: IOC/BACT/VOC 8/15

Pace Project No.: 7061689

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|------------|-----------------|---------------------|----------|-------------------|
| | | EPA 353.2 | SDO | 2 |
| | | EPA 353.2 | SDO | 1 |
| | | SM22 4500-CN-E | JS3 | 1 |
| | | SM22 4500-CI-E | BNK | 1 |
| | | SM22 4500 NH3 H | DJS | 1 |
| 7061689004 | S-15687/S-24848 | EPA 200.7 | JMW | 5 |
| | | EPA 200.8 | SK2 | 12 |
| | | SM22 9223B Colilert | NML | 2 |
| | | EPA 524.2 | KGG | 62 |
| | | SM22 2120B | BP1 | 2 |
| | | SM22 2150B | BP1 | 1 |
| | | SM22 2510B | ML | 1 |
| | | SM22 5540C | BP1 | 2 |
| | | EPA 300.0 | BNK | 2 |
| | | EPA 353.2 | SDO | 2 |
| | | EPA 353.2 | SDO | 1 |
| | | SM22 4500-CN-E | JS3 | 1 |
| | | SM22 4500-CI-E | BNK | 1 |
| | | SM22 4500 NH3 H | DJS | 1 |

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: IOC/BACT/VOC 8/15

Pace Project No.: 7061689

Sample: S-15687 **Lab ID: 7061689001** Collected: 08/15/18 07:55 Received: 08/15/18 15:00 Matrix: Drinking Water

| Parameters | Results | Units | Report Limit | Reg. Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|--|---------|------------|--------------|------------|----|----------------|----------------|-----------|------|
| Field Chlorine and pH | | | | | | | | | |
| Analytical Method: | | | | | | | | | |
| Field Temperature | 14.4 | deg C | | | 1 | | 08/15/18 07:55 | | N3 |
| Field pH | 6.35 | Std. Units | | | 1 | | 08/15/18 07:55 | | N3 |
| 200.7 MET ICP, Drinking Water | | | | | | | | | |
| Analytical Method: EPA 200.7 | | | | | | | | | |
| Ca Hardness as CaCO3 (SM 2340B) | 40.7 | mg/L | 0.50 | | 1 | | 08/20/18 16:41 | | |
| Iron | <0.020 | mg/L | 0.020 | | 1 | | 08/20/18 16:41 | 7439-89-6 | |
| Manganese | <0.010 | mg/L | 0.010 | | 1 | | 08/20/18 16:41 | 7439-96-5 | |
| Sodium | 73.9 | mg/L | 0.20 | | 1 | | 08/20/18 16:41 | 7440-23-5 | |
| Zinc | <0.020 | mg/L | 0.020 | | 1 | | 08/20/18 16:41 | 7440-66-6 | |
| 200.8 MET ICPMS Drinking Water | | | | | | | | | |
| Analytical Method: EPA 200.8 | | | | | | | | | |
| Antimony | <0.40 | ug/L | 0.40 | | 1 | | 08/16/18 14:48 | 7440-36-0 | |
| Arsenic | <1.0 | ug/L | 1.0 | | 1 | | 08/16/18 14:48 | 7440-38-2 | |
| Barium | 0.062 | mg/L | 0.0020 | | 1 | | 08/16/18 14:48 | 7440-39-3 | |
| Beryllium | <0.30 | ug/L | 0.30 | | 1 | | 08/16/18 14:48 | 7440-41-7 | |
| Cadmium | <1.0 | ug/L | 1.0 | | 1 | | 08/16/18 14:48 | 7440-43-9 | |
| Chromium | <0.0070 | mg/L | 0.0070 | | 1 | | 08/16/18 14:48 | 7440-47-3 | |
| Lead | <1.0 | ug/L | 1.0 | | 1 | | 08/16/18 14:48 | 7439-92-1 | |
| Mercury | <0.20 | ug/L | 0.20 | | 1 | | 08/16/18 14:48 | 7439-97-6 | |
| Nickel | 0.0012 | mg/L | 0.00050 | | 1 | | 08/16/18 14:48 | 7440-02-0 | |
| Selenium | <2.0 | ug/L | 2.0 | | 1 | | 08/16/18 14:48 | 7782-49-2 | |
| Silver | <0.0010 | mg/L | 0.0010 | | 1 | | 08/16/18 14:48 | 7440-22-4 | |
| Thallium | <0.30 | ug/L | 0.30 | | 1 | | 08/16/18 14:48 | 7440-28-0 | |
| MBIO Total Coliform DW | | | | | | | | | |
| Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert | | | | | | | | | |
| Total Coliforms | Absent | | | | 1 | 08/15/18 18:00 | 08/16/18 12:00 | | |
| E.coli | Absent | | | | 1 | 08/15/18 18:00 | 08/16/18 12:00 | | |
| 524.2 MSV | | | | | | | | | |
| Analytical Method: EPA 524.2 | | | | | | | | | |
| Benzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 71-43-2 | |
| Bromobenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 108-86-1 | |
| Bromochloromethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 74-97-5 | |
| Bromodichloromethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 75-27-4 | |
| Bromoform | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 75-25-2 | |
| Bromomethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 74-83-9 | |
| n-Butylbenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 104-51-8 | |
| sec-Butylbenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 135-98-8 | |
| tert-Butylbenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 98-06-6 | |
| Carbon tetrachloride | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 56-23-5 | |
| Chlorobenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 108-90-7 | |
| Chlorodifluoromethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 75-45-6 | N3 |
| Chloroethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 75-00-3 | |
| Chloroform | 0.59 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 67-66-3 | |
| Chloromethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 74-87-3 | |
| 2-Chlorotoluene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 95-49-8 | |

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: IOC/BACT/VOC 8/15

Pace Project No.: 7061689

| Sample: S-15687 Lab ID: 7061689001 Collected: 08/15/18 07:55 Received: 08/15/18 15:00 Matrix: Drinking Water | | | | | | | | | |
|--|---------|-------|--------------|------------|----|----------|----------------|-------------|------|
| Parameters | Results | Units | Report Limit | Reg. Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 524.2 MSV Analytical Method: EPA 524.2 | | | | | | | | | |
| 4-Chlorotoluene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 106-43-4 | |
| Dibromochloromethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 124-48-1 | |
| Dibromomethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 74-95-3 | |
| 1,2-Dichlorobenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 95-50-1 | |
| 1,3-Dichlorobenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 106-46-7 | |
| Dichlorodifluoromethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 75-71-8 | |
| 1,1-Dichloroethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 75-34-3 | |
| 1,2-Dichloroethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 107-06-2 | |
| 1,1-Dichloroethene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 75-35-4 | |
| cis-1,2-Dichloroethene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 156-59-2 | |
| trans-1,2-Dichloroethene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 156-60-5 | |
| 1,2-Dichloropropane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 78-87-5 | |
| 1,3-Dichloropropane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 142-28-9 | |
| 2,2-Dichloropropane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 594-20-7 | |
| 1,1-Dichloropropene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 563-58-6 | |
| cis-1,3-Dichloropropene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 10061-01-5 | |
| trans-1,3-Dichloropropene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 10061-02-6 | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 98-82-8 | |
| p-Isopropyltoluene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 99-87-6 | |
| Methylene Chloride | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 75-09-2 | |
| Methyl-tert-butyl ether | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 1634-04-4 | L1 |
| n-Propylbenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 103-65-1 | |
| Styrene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 630-20-6 | |
| 1,1,1,2,2-Tetrachloroethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 79-34-5 | |
| Tetrachloroethene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 127-18-4 | |
| Toluene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 108-88-3 | |
| Total Trihalomethanes (Calc.) | 0.59 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | | |
| 1,2,3-Trichlorobenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 120-82-1 | |
| 1,1,1-Trichloroethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 71-55-6 | |
| 1,1,2-Trichloroethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 79-00-5 | |
| Trichloroethene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 79-01-6 | |
| Trichlorofluoromethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 75-69-4 | |
| 1,2,3-Trichloropropane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 76-13-1 | N3 |
| 1,2,4-Trimethylbenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 108-67-8 | |
| Vinyl chloride | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 75-01-4 | |
| m&p-Xylene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 179601-23-1 | |
| o-Xylene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 12:14 | 95-47-6 | |
| Surrogates | | | | | | | | | |
| 1,2-Dichlorobenzene-d4 (S) | 106 | % | 70-130 | | 1 | | 08/22/18 12:14 | 2199-69-1 | |

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: IOC/BACT/VOC 8/15

Pace Project No.: 7061689

| Sample: S-15687 | Lab ID: 7061689001 | Collected: 08/15/18 07:55 | Received: 08/15/18 15:00 | Matrix: Drinking Water | | | | | |
|---------------------------------------|---|---------------------------|--------------------------|------------------------|----|----------------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | Reg. Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 524.2 MSV | Analytical Method: EPA 524.2 | | | | | | | | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 99 | % | 70-130 | | 1 | | 08/22/18 12:14 | 460-00-4 | |
| 2120B W Apparent Color | Analytical Method: SM22 2120B | | | | | | | | |
| Apparent Color | <5.0 | units | 5.0 | | 1 | | 08/16/18 03:11 | | |
| pH | 6.0 | Std. Units | 0.10 | | 1 | | 08/16/18 03:11 | | |
| 2150B Threshold Odor Number | Analytical Method: SM22 2150B | | | | | | | | |
| Odor @ 60 Degrees C | No odor observed | | 1.0 | | 1 | | 08/16/18 03:20 | | |
| 2510B Specific Conductance | Analytical Method: SM22 2510B | | | | | | | | |
| Specific Conductance | 538 | umhos/cm | 1.0 | | 1 | | 08/18/18 08:27 | | |
| 5540C MBAS Surfactants | Analytical Method: SM22 5540C Preparation Method: SM22 5540C | | | | | | | | |
| LAS Molecular Weight, g/mol | 320 | | | | 1 | 08/16/18 02:32 | 08/16/18 02:44 | | |
| MBAS, Calculated as LAS | <0.080 | mg/L | 0.080 | | 1 | 08/16/18 02:32 | 08/16/18 02:44 | | |
| 300.0 IC Anions 28 Days | Analytical Method: EPA 300.0 | | | | | | | | |
| Fluoride | <0.10 | mg/L | 0.10 | | 1 | | 08/20/18 06:18 | 16984-48-8 | |
| Sulfate | 13.8 | mg/L | 5.0 | | 1 | | 08/20/18 06:18 | 14808-79-8 | |
| 353.2 Nitrogen, NO2/NO3 unpres | Analytical Method: EPA 353.2 | | | | | | | | |
| Nitrate as N | 3.7 | mg/L | 0.50 | | 10 | | 08/15/18 21:15 | 14797-55-8 | |
| Nitrate-Nitrite (as N) | 3.7 | mg/L | 0.50 | | 10 | | 08/15/18 21:15 | 7727-37-9 | |
| 353.2 Nitrogen, NO2 | Analytical Method: EPA 353.2 | | | | | | | | |
| Nitrite as N | <0.050 | mg/L | 0.050 | | 1 | | 08/15/18 19:27 | 14797-65-0 | |
| SM 4500 CNE Cyanide, Total | Analytical Method: SM22 4500-CN-E Preparation Method: SM20/22 4500-CN-C | | | | | | | | |
| Cyanide | <10.0 | ug/L | 10.0 | | 1 | 08/17/18 08:42 | 08/17/18 13:14 | 57-12-5 | |
| 4500 Chloride | Analytical Method: SM22 4500-Cl-E | | | | | | | | |
| Chloride | 117 | mg/L | 20.0 | | 10 | | 08/16/18 14:34 | 16887-00-6 | |
| 4500 Ammonia Water | Analytical Method: SM22 4500 NH3 H | | | | | | | | |
| Nitrogen, Ammonia | <0.10 | mg/L | 0.10 | | 1 | | 08/22/18 13:13 | 7664-41-7 | |

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: IOC/BACT/VOC 8/15

Pace Project No.: 7061689

| Sample: S-24848 Lab ID: 7061689002 Collected: 08/15/18 08:10 Received: 08/15/18 15:00 Matrix: Drinking Water | | | | | | | | | |
|--|---------|------------|--------------|------------|----|----------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | Reg. Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| Field Chlorine and pH Analytical Method: | | | | | | | | | |
| Field Temperature | 14.5 | deg C | | | 1 | | 08/15/18 08:10 | | N3 |
| Field pH | 6.28 | Std. Units | | | 1 | | 08/15/18 08:10 | | N3 |
| 200.7 MET ICP, Drinking Water Analytical Method: EPA 200.7 | | | | | | | | | |
| Ca Hardness as CaCO3 (SM 2340B) | 38.0 | mg/L | 0.50 | | 1 | | 08/20/18 16:44 | | |
| Iron | <0.020 | mg/L | 0.020 | | 1 | | 08/20/18 16:44 | 7439-89-6 | |
| Manganese | 0.27 | mg/L | 0.010 | | 1 | | 08/20/18 16:44 | 7439-96-5 | |
| Sodium | 70.4 | mg/L | 0.20 | | 1 | | 08/20/18 16:44 | 7440-23-5 | |
| Zinc | <0.020 | mg/L | 0.020 | | 1 | | 08/20/18 16:44 | 7440-66-6 | |
| 200.8 MET ICPMS Drinking Water Analytical Method: EPA 200.8 | | | | | | | | | |
| Antimony | <0.40 | ug/L | 0.40 | | 1 | | 08/16/18 14:51 | 7440-36-0 | |
| Arsenic | <1.0 | ug/L | 1.0 | | 1 | | 08/16/18 14:51 | 7440-38-2 | |
| Barium | 0.060 | mg/L | 0.0020 | | 1 | | 08/16/18 14:51 | 7440-39-3 | |
| Beryllium | <0.30 | ug/L | 0.30 | | 1 | | 08/16/18 14:51 | 7440-41-7 | |
| Cadmium | <1.0 | ug/L | 1.0 | | 1 | | 08/16/18 14:51 | 7440-43-9 | |
| Chromium | <0.0070 | mg/L | 0.0070 | | 1 | | 08/16/18 14:51 | 7440-47-3 | |
| Lead | <1.0 | ug/L | 1.0 | | 1 | | 08/16/18 14:51 | 7439-92-1 | |
| Mercury | <0.20 | ug/L | 0.20 | | 1 | | 08/16/18 14:51 | 7439-97-6 | |
| Nickel | 0.0019 | mg/L | 0.00050 | | 1 | | 08/16/18 14:51 | 7440-02-0 | |
| Selenium | <2.0 | ug/L | 2.0 | | 1 | | 08/16/18 14:51 | 7782-49-2 | |
| Silver | <0.0010 | mg/L | 0.0010 | | 1 | | 08/16/18 14:51 | 7440-22-4 | |
| Thallium | <0.30 | ug/L | 0.30 | | 1 | | 08/16/18 14:51 | 7440-28-0 | |
| MBIO Total Coliform DW Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert | | | | | | | | | |
| Total Coliforms | Absent | | | | 1 | 08/15/18 18:00 | 08/16/18 12:00 | | |
| E.coli | Absent | | | | 1 | 08/15/18 18:00 | 08/16/18 12:00 | | |
| 524.2 MSV Analytical Method: EPA 524.2 | | | | | | | | | |
| Benzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 71-43-2 | |
| Bromobenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 108-86-1 | |
| Bromochloromethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 74-97-5 | |
| Bromodichloromethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 75-27-4 | |
| Bromoform | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 75-25-2 | |
| Bromomethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 74-83-9 | |
| n-Butylbenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 104-51-8 | |
| sec-Butylbenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 135-98-8 | |
| tert-Butylbenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 98-06-6 | |
| Carbon tetrachloride | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 56-23-5 | |
| Chlorobenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 108-90-7 | |
| Chlorodifluoromethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 75-45-6 | N3 |
| Chloroethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 75-00-3 | |
| Chloroform | 1.1 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 67-66-3 | |
| Chloromethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 74-87-3 | |
| 2-Chlorotoluene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 95-49-8 | |

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: IOC/BACT/VOC 8/15

Pace Project No.: 7061689

| Sample: S-24848 Lab ID: 7061689002 Collected: 08/15/18 08:10 Received: 08/15/18 15:00 Matrix: Drinking Water | | | | | | | | | |
|--|---------|-------|--------------|------------|----|----------|----------------|-------------|------|
| Parameters | Results | Units | Report Limit | Reg. Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 524.2 MSV Analytical Method: EPA 524.2 | | | | | | | | | |
| 4-Chlorotoluene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 106-43-4 | |
| Dibromochloromethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 124-48-1 | |
| Dibromomethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 74-95-3 | |
| 1,2-Dichlorobenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 95-50-1 | |
| 1,3-Dichlorobenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 106-46-7 | |
| Dichlorodifluoromethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 75-71-8 | |
| 1,1-Dichloroethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 75-34-3 | |
| 1,2-Dichloroethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 107-06-2 | |
| 1,1-Dichloroethene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 75-35-4 | |
| cis-1,2-Dichloroethene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 156-59-2 | |
| trans-1,2-Dichloroethene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 156-60-5 | |
| 1,2-Dichloropropane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 78-87-5 | |
| 1,3-Dichloropropane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 142-28-9 | |
| 2,2-Dichloropropane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 594-20-7 | |
| 1,1-Dichloropropene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 563-58-6 | |
| cis-1,3-Dichloropropene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 10061-01-5 | |
| trans-1,3-Dichloropropene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 10061-02-6 | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 98-82-8 | |
| p-Isopropyltoluene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 99-87-6 | |
| Methylene Chloride | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 75-09-2 | |
| Methyl-tert-butyl ether | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 1634-04-4 | L1 |
| n-Propylbenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 103-65-1 | |
| Styrene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 630-20-6 | |
| 1,1,1,2,2-Tetrachloroethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 79-34-5 | |
| Tetrachloroethene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 127-18-4 | |
| Toluene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 108-88-3 | |
| Total Trihalomethanes (Calc.) | 1.1 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | | |
| 1,2,3-Trichlorobenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 120-82-1 | |
| 1,1,1-Trichloroethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 71-55-6 | |
| 1,1,2-Trichloroethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 79-00-5 | |
| Trichloroethene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 79-01-6 | |
| Trichlorofluoromethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 75-69-4 | |
| 1,2,3-Trichloropropane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 76-13-1 | N3 |
| 1,2,4-Trimethylbenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 108-67-8 | |
| Vinyl chloride | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 75-01-4 | |
| m&p-Xylene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 179601-23-1 | |
| o-Xylene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:46 | 95-47-6 | |
| Surrogates | | | | | | | | | |
| 1,2-Dichlorobenzene-d4 (S) | 106 | % | 70-130 | | 1 | | 08/22/18 11:46 | 2199-69-1 | |

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: IOC/BACT/VOC 8/15

Pace Project No.: 7061689

| Sample: S-24848 | | Lab ID: 7061689002 | | Collected: 08/15/18 08:10 | Received: 08/15/18 15:00 | Matrix: Drinking Water | | | | |
|---------------------------------------|-------------------------|---|--------------|---------------------------|--------------------------|------------------------|----------------|------------|------|--|
| Parameters | Results | Units | Report Limit | Reg. Limit | DF | Prepared | Analyzed | CAS No. | Qual | |
| 524.2 MSV | | Analytical Method: EPA 524.2 | | | | | | | | |
| Surrogates | | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 101 | % | 70-130 | | 1 | | 08/22/18 11:46 | 460-00-4 | | |
| 2120B W Apparent Color | | Analytical Method: SM22 2120B | | | | | | | | |
| Apparent Color | <5.0 | units | 5.0 | | 1 | | 08/16/18 03:12 | | | |
| pH | 6.0 | Std. Units | 0.10 | | 1 | | 08/16/18 03:12 | | | |
| 2150B Threshold Odor Number | | Analytical Method: SM22 2150B | | | | | | | | |
| Odor @ 60 Degrees C | No odor observed | | 1.0 | | 1 | | 08/16/18 03:20 | | | |
| 2510B Specific Conductance | | Analytical Method: SM22 2510B | | | | | | | | |
| Specific Conductance | 514 | umhos/cm | 1.0 | | 1 | | 08/18/18 08:28 | | | |
| 5540C MBAS Surfactants | | Analytical Method: SM22 5540C Preparation Method: SM22 5540C | | | | | | | | |
| LAS Molecular Weight, g/mol | 320 | | | | 1 | 08/16/18 02:32 | 08/16/18 02:44 | | | |
| MBAS, Calculated as LAS | <0.080 | mg/L | 0.080 | | 1 | 08/16/18 02:32 | 08/16/18 02:44 | | | |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 | | | | | | | | |
| Fluoride | <0.10 | mg/L | 0.10 | | 1 | | 08/20/18 06:34 | 16984-48-8 | | |
| Sulfate | 15.2 | mg/L | 5.0 | | 1 | | 08/20/18 06:34 | 14808-79-8 | | |
| 353.2 Nitrogen, NO2/NO3 unpres | | Analytical Method: EPA 353.2 | | | | | | | | |
| Nitrate as N | 5.4 | mg/L | 0.50 | | 10 | | 08/15/18 21:16 | 14797-55-8 | | |
| Nitrate-Nitrite (as N) | 5.4 | mg/L | 0.50 | | 10 | | 08/15/18 21:16 | 7727-37-9 | | |
| 353.2 Nitrogen, NO2 | | Analytical Method: EPA 353.2 | | | | | | | | |
| Nitrite as N | <0.050 | mg/L | 0.050 | | 1 | | 08/15/18 19:31 | 14797-65-0 | | |
| SM 4500 CNE Cyanide, Total | | Analytical Method: SM22 4500-CN-E Preparation Method: SM20/22 4500-CN-C | | | | | | | | |
| Cyanide | <10.0 | ug/L | 10.0 | | 1 | 08/17/18 08:42 | 08/17/18 13:14 | 57-12-5 | | |
| 4500 Chloride | | Analytical Method: SM22 4500-Cl-E | | | | | | | | |
| Chloride | 103 | mg/L | 20.0 | | 10 | | 08/16/18 14:35 | 16887-00-6 | | |
| 4500 Ammonia Water | | Analytical Method: SM22 4500 NH3 H | | | | | | | | |
| Nitrogen, Ammonia | 0.21 | mg/L | 0.10 | | 1 | | 08/22/18 13:14 | 7664-41-7 | | |

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: IOC/BACT/VOC 8/15

Pace Project No.: 7061689

| Sample: S-31636 | | Lab ID: 7061689003 | | Collected: 08/15/18 08:20 | Received: 08/15/18 15:00 | Matrix: Drinking Water | | | | |
|---------------------------------------|---------|--|--------------|---------------------------|--------------------------|------------------------|----------------|-----------|------|--|
| Parameters | Results | Units | Report Limit | Reg. Limit | DF | Prepared | Analyzed | CAS No. | Qual | |
| Field Chlorine and pH | | Analytical Method: | | | | | | | | |
| Field Temperature | 15.4 | deg C | | | 1 | | 08/15/18 08:20 | | N3 | |
| Field pH | 6.27 | Std. Units | | | 1 | | 08/15/18 08:20 | | N3 | |
| 200.7 MET ICP, Drinking Water | | Analytical Method: EPA 200.7 | | | | | | | | |
| Ca Hardness as CaCO3 (SM 2340B) | 32.2 | mg/L | 0.50 | | 1 | | 08/20/18 16:47 | | | |
| Iron | 0.044 | mg/L | 0.020 | | 1 | | 08/20/18 16:47 | 7439-89-6 | | |
| Manganese | 0.013 | mg/L | 0.010 | | 1 | | 08/20/18 16:47 | 7439-96-5 | | |
| Sodium | 46.8 | mg/L | 0.20 | | 1 | | 08/20/18 16:47 | 7440-23-5 | | |
| Zinc | <0.020 | mg/L | 0.020 | | 1 | | 08/20/18 16:47 | 7440-66-6 | | |
| 200.8 MET ICPMS Drinking Water | | Analytical Method: EPA 200.8 | | | | | | | | |
| Antimony | <0.40 | ug/L | 0.40 | | 1 | | 08/16/18 14:54 | 7440-36-0 | | |
| Arsenic | <1.0 | ug/L | 1.0 | | 1 | | 08/16/18 14:54 | 7440-38-2 | | |
| Barium | 0.050 | mg/L | 0.0020 | | 1 | | 08/16/18 14:54 | 7440-39-3 | | |
| Beryllium | <0.30 | ug/L | 0.30 | | 1 | | 08/16/18 14:54 | 7440-41-7 | | |
| Cadmium | <1.0 | ug/L | 1.0 | | 1 | | 08/16/18 14:54 | 7440-43-9 | | |
| Chromium | <0.0070 | mg/L | 0.0070 | | 1 | | 08/16/18 14:54 | 7440-47-3 | | |
| Lead | <1.0 | ug/L | 1.0 | | 1 | | 08/16/18 14:54 | 7439-92-1 | | |
| Mercury | <0.20 | ug/L | 0.20 | | 1 | | 08/16/18 14:54 | 7439-97-6 | | |
| Nickel | 0.00059 | mg/L | 0.00050 | | 1 | | 08/16/18 14:54 | 7440-02-0 | | |
| Selenium | <2.0 | ug/L | 2.0 | | 1 | | 08/16/18 14:54 | 7782-49-2 | | |
| Silver | <0.0010 | mg/L | 0.0010 | | 1 | | 08/16/18 14:54 | 7440-22-4 | | |
| Thallium | <0.30 | ug/L | 0.30 | | 1 | | 08/16/18 14:54 | 7440-28-0 | | |
| MBIO Total Coliform DW | | Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert | | | | | | | | |
| Total Coliforms | Absent | | | | 1 | 08/15/18 18:00 | 08/16/18 12:00 | | | |
| E.coli | Absent | | | | 1 | 08/15/18 18:00 | 08/16/18 12:00 | | | |
| 524.2 MSV | | Analytical Method: EPA 524.2 | | | | | | | | |
| Benzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 71-43-2 | | |
| Bromobenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 108-86-1 | | |
| Bromochloromethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 74-97-5 | | |
| Bromodichloromethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 75-27-4 | | |
| Bromoform | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 75-25-2 | | |
| Bromomethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 74-83-9 | | |
| n-Butylbenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 104-51-8 | | |
| sec-Butylbenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 135-98-8 | | |
| tert-Butylbenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 98-06-6 | | |
| Carbon tetrachloride | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 56-23-5 | | |
| Chlorobenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 108-90-7 | | |
| Chlorodifluoromethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 75-45-6 | N3 | |
| Chloroethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 75-00-3 | | |
| Chloroform | 0.95 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 67-66-3 | | |
| Chloromethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 74-87-3 | | |
| 2-Chlorotoluene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 95-49-8 | | |

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: IOC/BACT/VOC 8/15

Pace Project No.: 7061689

| Sample: S-31636 | | | | | | | | | |
|--------------------------------|---------|-------|--------------|------------|----|----------|----------------|-------------|------|
| Lab ID: 7061689003 | | | | | | | | | |
| Collected: 08/15/18 08:20 | | | | | | | | | |
| Received: 08/15/18 15:00 | | | | | | | | | |
| Matrix: Drinking Water | | | | | | | | | |
| Parameters | Results | Units | Report Limit | Reg. Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 524.2 MSV | | | | | | | | | |
| Analytical Method: EPA 524.2 | | | | | | | | | |
| 4-Chlorotoluene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 106-43-4 | |
| Dibromochloromethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 124-48-1 | |
| Dibromomethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 74-95-3 | |
| 1,2-Dichlorobenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 95-50-1 | |
| 1,3-Dichlorobenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 106-46-7 | |
| Dichlorodifluoromethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 75-71-8 | |
| 1,1-Dichloroethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 75-34-3 | |
| 1,2-Dichloroethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 107-06-2 | |
| 1,1-Dichloroethene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 75-35-4 | |
| cis-1,2-Dichloroethene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 156-59-2 | |
| trans-1,2-Dichloroethene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 156-60-5 | |
| 1,2-Dichloropropane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 78-87-5 | |
| 1,3-Dichloropropane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 142-28-9 | |
| 2,2-Dichloropropane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 594-20-7 | |
| 1,1-Dichloropropene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 563-58-6 | |
| cis-1,3-Dichloropropene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 10061-01-5 | |
| trans-1,3-Dichloropropene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 10061-02-6 | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 98-82-8 | |
| p-Isopropyltoluene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 99-87-6 | |
| Methylene Chloride | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 75-09-2 | |
| Methyl-tert-butyl ether | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 1634-04-4 | L1 |
| n-Propylbenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 103-65-1 | |
| Styrene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 630-20-6 | |
| 1,1,1,2,2-Tetrachloroethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 79-34-5 | |
| Tetrachloroethene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 127-18-4 | |
| Toluene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 108-88-3 | |
| Total Trihalomethanes (Calc.) | 0.95 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | | |
| 1,2,3-Trichlorobenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 120-82-1 | |
| 1,1,1-Trichloroethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 71-55-6 | |
| 1,1,2-Trichloroethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 79-00-5 | |
| Trichloroethene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 79-01-6 | |
| Trichlorofluoromethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 75-69-4 | |
| 1,2,3-Trichloropropane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 76-13-1 | N3 |
| 1,2,4-Trimethylbenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 108-67-8 | |
| Vinyl chloride | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 75-01-4 | |
| m&p-Xylene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 179601-23-1 | |
| o-Xylene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 11:18 | 95-47-6 | |
| Surrogates | | | | | | | | | |
| 1,2-Dichlorobenzene-d4 (S) | 106 | % | 70-130 | | 1 | | 08/22/18 11:18 | 2199-69-1 | |

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: IOC/BACT/VOC 8/15

Pace Project No.: 7061689

| Sample: S-31636 | | Lab ID: 7061689003 | | Collected: 08/15/18 08:20 | Received: 08/15/18 15:00 | Matrix: Drinking Water | | | | |
|---------------------------------------|-------------------------|---|--------------|---------------------------|--------------------------|------------------------|----------------|------------|------|--|
| Parameters | Results | Units | Report Limit | Reg. Limit | DF | Prepared | Analyzed | CAS No. | Qual | |
| 524.2 MSV | | Analytical Method: EPA 524.2 | | | | | | | | |
| Surrogates | | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 96 | % | 70-130 | | 1 | | 08/22/18 11:18 | 460-00-4 | | |
| 2120B W Apparent Color | | Analytical Method: SM22 2120B | | | | | | | | |
| Apparent Color | <5.0 | units | 5.0 | | 1 | | 08/16/18 03:13 | | | |
| pH | 5.5 | Std. Units | 0.10 | | 1 | | 08/16/18 03:13 | | | |
| 2150B Threshold Odor Number | | Analytical Method: SM22 2150B | | | | | | | | |
| Odor @ 60 Degrees C | No odor observed | | 1.0 | | 1 | | 08/16/18 03:21 | | | |
| 2510B Specific Conductance | | Analytical Method: SM22 2510B | | | | | | | | |
| Specific Conductance | 370 | umhos/cm | 1.0 | | 1 | | 08/18/18 08:28 | | | |
| 5540C MBAS Surfactants | | Analytical Method: SM22 5540C Preparation Method: SM22 5540C | | | | | | | | |
| LAS Molecular Weight, g/mol | 320 | | | | 1 | 08/16/18 02:32 | 08/16/18 02:44 | | | |
| MBAS, Calculated as LAS | <0.080 | mg/L | 0.080 | | 1 | 08/16/18 02:32 | 08/16/18 02:44 | | | |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 | | | | | | | | |
| Fluoride | <0.10 | mg/L | 0.10 | | 1 | | 08/20/18 06:51 | 16984-48-8 | | |
| Sulfate | 18.2 | mg/L | 5.0 | | 1 | | 08/20/18 06:51 | 14808-79-8 | | |
| 353.2 Nitrogen, NO2/NO3 unpres | | Analytical Method: EPA 353.2 | | | | | | | | |
| Nitrate as N | 5.9 | mg/L | 0.50 | | 10 | | 08/15/18 21:17 | 14797-55-8 | | |
| Nitrate-Nitrite (as N) | 5.9 | mg/L | 0.50 | | 10 | | 08/15/18 21:17 | 7727-37-9 | | |
| 353.2 Nitrogen, NO2 | | Analytical Method: EPA 353.2 | | | | | | | | |
| Nitrite as N | <0.050 | mg/L | 0.050 | | 1 | | 08/15/18 19:32 | 14797-65-0 | | |
| SM 4500 CNE Cyanide, Total | | Analytical Method: SM22 4500-CN-E Preparation Method: SM20/22 4500-CN-C | | | | | | | | |
| Cyanide | <10.0 | ug/L | 10.0 | | 1 | 08/17/18 08:42 | 08/17/18 13:18 | 57-12-5 | | |
| 4500 Chloride | | Analytical Method: SM22 4500-Cl-E | | | | | | | | |
| Chloride | 74.6 | mg/L | 2.0 | | 1 | | 08/16/18 14:03 | 16887-00-6 | | |
| 4500 Ammonia Water | | Analytical Method: SM22 4500 NH3 H | | | | | | | | |
| Nitrogen, Ammonia | 0.13 | mg/L | 0.10 | | 1 | | 08/22/18 13:15 | 7664-41-7 | | |

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: IOC/BACT/VOC 8/15

Pace Project No.: 7061689

Sample: S-15687/S-24848 **Lab ID: 7061689004** Collected: 08/15/18 08:35 Received: 08/15/18 15:00 Matrix: Drinking Water

| Parameters | Results | Units | Report Limit | Reg. Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|------------|--------------|------------|----|----------------|----------------|-----------|------|
| Field Chlorine and pH | | | | | | | | | |
| Analytical Method: | | | | | | | | | |
| Field Temperature | 15.3 | deg C | | | 1 | | 08/15/18 08:35 | | N3 |
| Field pH | 6.62 | Std. Units | | | 1 | | 08/15/18 08:35 | | N3 |
| 200.7 MET ICP, Drinking Water | | | | | | | | | |
| Analytical Method: EPA 200.7 | | | | | | | | | |
| Ca Hardness as CaCO3 (SM 2340B) | 39.2 | mg/L | 0.50 | | 1 | | 08/20/18 16:48 | | |
| Iron | <0.020 | mg/L | 0.020 | | 1 | | 08/20/18 16:48 | 7439-89-6 | |
| Manganese | 0.018 | mg/L | 0.010 | | 1 | | 08/20/18 16:48 | 7439-96-5 | |
| Sodium | 102 | mg/L | 0.20 | | 1 | | 08/20/18 16:48 | 7440-23-5 | |
| Zinc | <0.020 | mg/L | 0.020 | | 1 | | 08/20/18 16:48 | 7440-66-6 | |
| 200.8 MET ICPMS Drinking Water | | | | | | | | | |
| Analytical Method: EPA 200.8 | | | | | | | | | |
| Antimony | <0.40 | ug/L | 0.40 | | 1 | | 08/16/18 14:57 | 7440-36-0 | |
| Arsenic | <1.0 | ug/L | 1.0 | | 1 | | 08/16/18 14:57 | 7440-38-2 | |
| Barium | 0.059 | mg/L | 0.0020 | | 1 | | 08/16/18 14:57 | 7440-39-3 | |
| Beryllium | <0.30 | ug/L | 0.30 | | 1 | | 08/16/18 14:57 | 7440-41-7 | |
| Cadmium | <1.0 | ug/L | 1.0 | | 1 | | 08/16/18 14:57 | 7440-43-9 | |
| Chromium | <0.0070 | mg/L | 0.0070 | | 1 | | 08/16/18 14:57 | 7440-47-3 | |
| Lead | <1.0 | ug/L | 1.0 | | 1 | | 08/16/18 14:57 | 7439-92-1 | |
| Mercury | <0.20 | ug/L | 0.20 | | 1 | | 08/16/18 14:57 | 7439-97-6 | |
| Nickel | 0.00076 | mg/L | 0.00050 | | 1 | | 08/16/18 14:57 | 7440-02-0 | |
| Selenium | <2.0 | ug/L | 2.0 | | 1 | | 08/16/18 14:57 | 7782-49-2 | |
| Silver | <0.0010 | mg/L | 0.0010 | | 1 | | 08/16/18 14:57 | 7440-22-4 | |
| Thallium | <0.30 | ug/L | 0.30 | | 1 | | 08/16/18 14:57 | 7440-28-0 | |
| MBIO Total Coliform DW | | | | | | | | | |
| Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert | | | | | | | | | |
| Total Coliforms | Absent | | | | 1 | 08/15/18 18:00 | 08/16/18 12:00 | | |
| E.coli | Absent | | | | 1 | 08/15/18 18:00 | 08/16/18 12:00 | | |
| 524.2 MSV | | | | | | | | | |
| Analytical Method: EPA 524.2 | | | | | | | | | |
| Benzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 71-43-2 | |
| Bromobenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 108-86-1 | |
| Bromochloromethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 74-97-5 | |
| Bromodichloromethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 75-27-4 | |
| Bromoform | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 75-25-2 | |
| Bromomethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 74-83-9 | |
| n-Butylbenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 104-51-8 | |
| sec-Butylbenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 135-98-8 | |
| tert-Butylbenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 98-06-6 | |
| Carbon tetrachloride | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 56-23-5 | |
| Chlorobenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 108-90-7 | |
| Chlorodifluoromethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 75-45-6 | N3 |
| Chloroethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 75-00-3 | |
| Chloroform | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 67-66-3 | |
| Chloromethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 74-87-3 | |
| 2-Chlorotoluene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 95-49-8 | |

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: IOC/BACT/VOC 8/15

Pace Project No.: 7061689

Sample: S-15687/S-24848 **Lab ID: 7061689004** Collected: 08/15/18 08:35 Received: 08/15/18 15:00 Matrix: Drinking Water

| Parameters | Results | Units | Report Limit | Reg. Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|--------------|------------|----|----------|----------------|-------------|------|
| 524.2 MSV Analytical Method: EPA 524.2 | | | | | | | | | |
| 4-Chlorotoluene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 106-43-4 | |
| Dibromochloromethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 124-48-1 | |
| Dibromomethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 74-95-3 | |
| 1,2-Dichlorobenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 95-50-1 | |
| 1,3-Dichlorobenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 106-46-7 | |
| Dichlorodifluoromethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 75-71-8 | |
| 1,1-Dichloroethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 75-34-3 | |
| 1,2-Dichloroethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 107-06-2 | |
| 1,1-Dichloroethene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 75-35-4 | |
| cis-1,2-Dichloroethene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 156-59-2 | |
| trans-1,2-Dichloroethene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 156-60-5 | |
| 1,2-Dichloropropane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 78-87-5 | |
| 1,3-Dichloropropane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 142-28-9 | |
| 2,2-Dichloropropane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 594-20-7 | |
| 1,1-Dichloropropene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 563-58-6 | |
| cis-1,3-Dichloropropene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 10061-01-5 | |
| trans-1,3-Dichloropropene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 10061-02-6 | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 98-82-8 | |
| p-Isopropyltoluene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 99-87-6 | |
| Methylene Chloride | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 75-09-2 | |
| Methyl-tert-butyl ether | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 1634-04-4 | L1 |
| n-Propylbenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 103-65-1 | |
| Styrene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 630-20-6 | |
| 1,1,1,2,2-Tetrachloroethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 79-34-5 | |
| Tetrachloroethene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 127-18-4 | |
| Toluene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 108-88-3 | |
| Total Trihalomethanes (Calc.) | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | | |
| 1,2,3-Trichlorobenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 120-82-1 | |
| 1,1,1-Trichloroethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 71-55-6 | |
| 1,1,2-Trichloroethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 79-00-5 | |
| Trichloroethene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 79-01-6 | |
| Trichlorofluoromethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 75-69-4 | |
| 1,2,3-Trichloropropane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 76-13-1 | N3 |
| 1,2,4-Trimethylbenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 108-67-8 | |
| Vinyl chloride | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 75-01-4 | |
| m&p-Xylene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 179601-23-1 | |
| o-Xylene | <0.50 | ug/L | 0.50 | | 1 | | 08/22/18 10:50 | 95-47-6 | |
| Surrogates | | | | | | | | | |
| 1,2-Dichlorobenzene-d4 (S) | 107 | % | 70-130 | | 1 | | 08/22/18 10:50 | 2199-69-1 | |

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: IOC/BACT/VOC 8/15

Pace Project No.: 7061689

Sample: S-15687/S-24848 **Lab ID: 7061689004** Collected: 08/15/18 08:35 Received: 08/15/18 15:00 Matrix: Drinking Water

| Parameters | Results | Units | Report Limit | Reg. Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|--|-------------------------|------------|--------------|------------|----|----------------|----------------|------------|------|
| 524.2 MSV Analytical Method: EPA 524.2 | | | | | | | | | |
| <i>Surrogates</i> | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 94 | % | 70-130 | | 1 | | 08/22/18 10:50 | 460-00-4 | |
| 2120B W Apparent Color Analytical Method: SM22 2120B | | | | | | | | | |
| Apparent Color | <5.0 | units | 5.0 | | 1 | | 08/16/18 03:14 | | |
| pH | 7.5 | Std. Units | 0.10 | | 1 | | 08/16/18 03:14 | | |
| 2150B Threshold Odor Number Analytical Method: SM22 2150B | | | | | | | | | |
| Odor @ 60 Degrees C | No odor observed | | 1.0 | | 1 | | 08/16/18 03:21 | | |
| 2510B Specific Conductance Analytical Method: SM22 2510B | | | | | | | | | |
| Specific Conductance | 636 | umhos/cm | 1.0 | | 1 | | 08/18/18 08:29 | | |
| 5540C MBAS Surfactants Analytical Method: SM22 5540C Preparation Method: SM22 5540C | | | | | | | | | |
| LAS Molecular Weight, g/mol | 320 | | | | 1 | 08/16/18 02:32 | 08/16/18 02:44 | | |
| MBAS, Calculated as LAS | <0.080 | mg/L | 0.080 | | 1 | 08/16/18 02:32 | 08/16/18 02:44 | | |
| 300.0 IC Anions 28 Days Analytical Method: EPA 300.0 | | | | | | | | | |
| Fluoride | <0.10 | mg/L | 0.10 | | 1 | | 08/20/18 07:41 | 16984-48-8 | |
| Sulfate | 15.4 | mg/L | 5.0 | | 1 | | 08/20/18 07:41 | 14808-79-8 | |
| 353.2 Nitrogen, NO2/NO3 unpres Analytical Method: EPA 353.2 | | | | | | | | | |
| Nitrate as N | 5.1 | mg/L | 0.50 | | 10 | | 08/15/18 21:18 | 14797-55-8 | |
| Nitrate-Nitrite (as N) | 5.1 | mg/L | 0.50 | | 10 | | 08/15/18 21:18 | 7727-37-9 | |
| 353.2 Nitrogen, NO2 Analytical Method: EPA 353.2 | | | | | | | | | |
| Nitrite as N | <0.050 | mg/L | 0.050 | | 1 | | 08/15/18 19:33 | 14797-65-0 | |
| SM 4500 CNE Cyanide, Total Analytical Method: SM22 4500-CN-E Preparation Method: SM20/22 4500-CN-C | | | | | | | | | |
| Cyanide | <10.0 | ug/L | 10.0 | | 1 | 08/17/18 08:42 | 08/17/18 13:19 | 57-12-5 | |
| 4500 Chloride Analytical Method: SM22 4500-Cl-E | | | | | | | | | |
| Chloride | 106 | mg/L | 20.0 | | 10 | | 08/16/18 14:36 | 16887-00-6 | |
| 4500 Ammonia Water Analytical Method: SM22 4500 NH3 H | | | | | | | | | |
| Nitrogen, Ammonia | 0.12 | mg/L | 0.10 | | 1 | | 08/22/18 13:16 | 7664-41-7 | |

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

Project: IOC/BACT/VOC 8/15

Pace Project No.: 7061689

QC Batch: 79759 Analysis Method: EPA 200.7
 QC Batch Method: EPA 200.7 Analysis Description: 200.7 MET No Prep Drinking Water
 Associated Lab Samples: 7061689001, 7061689002, 7061689003, 7061689004

METHOD BLANK: 366840 Matrix: Drinking Water

Associated Lab Samples: 7061689001, 7061689002, 7061689003, 7061689004

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---------------------------------|-------|--------------|-----------------|----------------|------------|
| Ca Hardness as CaCO3 (SM 2340B) | mg/L | <0.50 | 0.50 | 08/20/18 16:34 | |
| Iron | mg/L | <0.020 | 0.020 | 08/20/18 16:34 | |
| Manganese | mg/L | <0.010 | 0.010 | 08/20/18 16:34 | |
| Sodium | mg/L | <0.20 | 0.20 | 08/20/18 16:34 | |
| Zinc | mg/L | <0.020 | 0.020 | 08/20/18 16:34 | |

LABORATORY CONTROL SAMPLE: 366841

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---------------------------------|-------|-------------|------------|-----------|--------------|------------|
| Ca Hardness as CaCO3 (SM 2340B) | mg/L | | 61.4 | | | |
| Iron | mg/L | 2 | 1.9 | 97 | 85-115 | |
| Manganese | mg/L | .25 | 0.24 | 97 | 85-115 | |
| Sodium | mg/L | 50 | 49.2 | 98 | 85-115 | |
| Zinc | mg/L | 1 | 1.0 | 100 | 85-115 | |

MATRIX SPIKE SAMPLE: 366844

| Parameter | Units | 7061838001 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|---------------------------------|-------|-------------------|-------------|-----------|----------|--------------|------------|
| Ca Hardness as CaCO3 (SM 2340B) | mg/L | | | 122 | | | |
| Iron | mg/L | 34.9 ug/L | 2 | 2.0 | 101 | 70-130 | |
| Manganese | mg/L | 0.016 | .25 | 0.27 | 100 | 70-130 | |
| Sodium | mg/L | | 50 | 73.5 | 100 | 70-130 | |
| Zinc | mg/L | | 1 | 1.1 | 104 | 70-130 | |

MATRIX SPIKE SAMPLE: 366846

| Parameter | Units | 7061689001 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|---------------------------------|-------|-------------------|-------------|-----------|----------|--------------|------------|
| Ca Hardness as CaCO3 (SM 2340B) | mg/L | 40.7 | | 103 | | | |
| Iron | mg/L | <0.020 | 2 | 2.0 | 102 | 70-130 | |
| Manganese | mg/L | <0.010 | .25 | 0.26 | 101 | 70-130 | |
| Sodium | mg/L | 73.9 | 50 | 122 | 96 | 70-130 | |
| Zinc | mg/L | <0.020 | 1 | 1.1 | 108 | 70-130 | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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

Project: IOC/BACT/VOC 8/15

Pace Project No.: 7061689

SAMPLE DUPLICATE: 366843

| Parameter | Units | 7061838001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|-----------------------------------|-------|----------------------|---------------|-----|------------|------------|
| Ca Hardness as CaCO3 (SM 2340B | mg/L | | 57.7 | | 20 | |
| Iron | mg/L | 34.9 ug/L | 0.64 | 179 | 20 | D6 |
| Manganese | mg/L | 0.016 | 0.020 | 22 | 20 | D6 |
| Sodium | mg/L | | 23.2 | | 20 | |
| Zinc | mg/L | | 0.042 | | 20 | |

SAMPLE DUPLICATE: 366845

| Parameter | Units | 7061689001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|-----------------------------------|-------|----------------------|---------------|-----|------------|------------|
| Ca Hardness as CaCO3 (SM 2340B | mg/L | 40.7 | 40.2 | 1 | 20 | |
| Iron | mg/L | <0.020 | <0.020 | | 20 | |
| Manganese | mg/L | <0.010 | <0.010 | | 20 | |
| Sodium | mg/L | 73.9 | 73.1 | 1 | 20 | |
| Zinc | mg/L | <0.020 | <0.020 | | 20 | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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

Project: IOC/BACT/VOC 8/15
Pace Project No.: 7061689

QC Batch: 79397 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET No Prep Drinking Water
Associated Lab Samples: 7061689001, 7061689002, 7061689003, 7061689004

METHOD BLANK: 365196 Matrix: Water
Associated Lab Samples: 7061689001, 7061689002, 7061689003, 7061689004

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Antimony | ug/L | <0.40 | 0.40 | 08/16/18 14:09 | |
| Arsenic | ug/L | <1.0 | 1.0 | 08/16/18 14:09 | |
| Barium | mg/L | <0.0020 | 0.0020 | 08/16/18 14:09 | |
| Beryllium | ug/L | <0.30 | 0.30 | 08/16/18 14:09 | |
| Cadmium | ug/L | <1.0 | 1.0 | 08/16/18 14:09 | |
| Chromium | mg/L | <0.0070 | 0.0070 | 08/16/18 14:09 | |
| Lead | ug/L | <1.0 | 1.0 | 08/16/18 14:09 | |
| Mercury | ug/L | <0.20 | 0.20 | 08/16/18 14:09 | |
| Nickel | mg/L | <0.00050 | 0.00050 | 08/16/18 14:09 | |
| Selenium | ug/L | <2.0 | 2.0 | 08/16/18 14:09 | |
| Silver | mg/L | <0.0010 | 0.0010 | 08/16/18 14:09 | |
| Thallium | ug/L | <0.30 | 0.30 | 08/16/18 14:09 | |

LABORATORY CONTROL SAMPLE: 365197

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Antimony | ug/L | 50 | 48.7 | 97 | 85-115 | |
| Arsenic | ug/L | 50 | 49.2 | 98 | 85-115 | |
| Barium | mg/L | .05 | 0.050 | 101 | 85-115 | |
| Beryllium | ug/L | 50 | 50.6 | 101 | 85-115 | |
| Cadmium | ug/L | 50 | 49.5 | 99 | 85-115 | |
| Chromium | mg/L | .05 | 0.049 | 99 | 85-115 | |
| Lead | ug/L | 50 | 48.5 | 97 | 85-115 | |
| Mercury | ug/L | 1.5 | 1.4 | 96 | 85-115 | |
| Nickel | mg/L | .05 | 0.050 | 99 | 85-115 | |
| Selenium | ug/L | 50 | 48.8 | 98 | 85-115 | |
| Silver | mg/L | .05 | 0.049 | 99 | 85-115 | |
| Thallium | ug/L | 50 | 51.6 | 103 | 85-115 | |

MATRIX SPIKE SAMPLE: 365200

| Parameter | Units | 7061707001 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------------|-------------|-----------|----------|--------------|------------|
| Antimony | ug/L | <0.40 | 10 | 11.8 | 118 | 70-130 | |
| Arsenic | ug/L | <1.0 | 4 | 5.2 | 114 | 70-130 | |
| Barium | mg/L | 13.6 ug/L | .2 | 0.26 | 122 | 70-130 | |
| Beryllium | ug/L | <0.30 | 5 | 6.1 | 122 | 70-130 | |
| Cadmium | ug/L | <1.0 | 5 | 5.9 | 117 | 70-130 | |
| Chromium | mg/L | <7.0 ug/L | .02 | 0.023 | 112 | 70-130 | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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

Project: IOC/BACT/VOC 8/15

Pace Project No.: 7061689

| MATRIX SPIKE SAMPLE: 365200 | | 7061707001 | Spike | MS | MS | % Rec | |
|-----------------------------|-------|------------|-------|--------|-------|--------|------------|
| Parameter | Units | Result | Conc. | Result | % Rec | Limits | Qualifiers |
| Lead | ug/L | <1.0 | 2 | 2.8 | 108 | 70-130 | |
| Mercury | ug/L | <0.20 | .4 | 0.42 | 93 | 70-130 | |
| Nickel | mg/L | 3.8 ug/L | .05 | 0.059 | 110 | 70-130 | |
| Selenium | ug/L | <2.0 | 1 | 2.0 | 108 | 70-130 | |
| Silver | mg/L | <1.0 ug/L | .005 | 0.0048 | 89 | 70-130 | |
| Thallium | ug/L | <0.30 | 5 | 5.6 | 111 | 70-130 | |

| MATRIX SPIKE SAMPLE: 365202 | | 7061606001 | Spike | MS | MS | % Rec | |
|-----------------------------|-------|------------|-------|--------|-------|-----------|------------|
| Parameter | Units | Result | Conc. | Result | % Rec | Limits | Qualifiers |
| Antimony | ug/L | <0.40 | 10 | 10.4 | 104 | 70-130 | |
| Arsenic | ug/L | <1.0 | 4 | 5.3 | 122 | 70-130 | |
| Barium | mg/L | 19.7 ug/L | .2 | 0.26 | 122 | 70-130 | |
| Beryllium | ug/L | <0.30 | 5 | 5.6 | 111 | 70-130 | |
| Cadmium | ug/L | <1.0 | 5 | 5.9 | 117 | 70-130 | |
| Chromium | mg/L | <7.0 ug/L | .02 | 0.023 | 110 | 70-130 | |
| Lead | ug/L | <1.0 | 2 | 2.3 | 113 | 70-130 | |
| Mercury | ug/L | <0.20 | .4 | 0.40 | 98 | 70-130 | |
| Nickel | mg/L | 0.97 ug/L | .05 | 0.056 | 110 | 70-130 | |
| Selenium | ug/L | <2.0 | 1 | <2.0 | 182 | 70-130 M1 | |
| Silver | mg/L | <1.0 ug/L | .005 | 0.0045 | 89 | 70-130 | |
| Thallium | ug/L | <0.30 | 5 | 5.8 | 116 | 70-130 | |

| SAMPLE DUPLICATE: 365199 | | 7061707001 | Dup | RPD | Max | |
|--------------------------|-------|------------|---------|-----|-----|------------|
| Parameter | Units | Result | Result | RPD | RPD | Qualifiers |
| Antimony | ug/L | <0.40 | <0.40 | | 20 | |
| Arsenic | ug/L | <1.0 | <1.0 | | 20 | |
| Barium | mg/L | 13.6 ug/L | 0.014 | 0 | 20 | |
| Beryllium | ug/L | <0.30 | <0.30 | | 20 | |
| Cadmium | ug/L | <1.0 | <1.0 | | 20 | |
| Chromium | mg/L | <7.0 ug/L | <0.0070 | | 20 | |
| Lead | ug/L | <1.0 | <1.0 | | 20 | |
| Mercury | ug/L | <0.20 | <0.20 | | 20 | |
| Nickel | mg/L | 3.8 ug/L | 0.0038 | 2 | 20 | |
| Selenium | ug/L | <2.0 | <2.0 | | 20 | |
| Silver | mg/L | <1.0 ug/L | <0.0010 | | 20 | |
| Thallium | ug/L | <0.30 | <0.30 | | 20 | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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

Project: IOC/BACT/VOC 8/15

Pace Project No.: 7061689

SAMPLE DUPLICATE: 365201

| Parameter | Units | 7061606001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|-----------|-------|----------------------|---------------|-----|------------|------------|
| Antimony | ug/L | <0.40 | <0.40 | | 20 | |
| Arsenic | ug/L | <1.0 | <1.0 | | 20 | |
| Barium | mg/L | 19.7 ug/L | 0.020 | 0 | 20 | |
| Beryllium | ug/L | <0.30 | <0.30 | | 20 | |
| Cadmium | ug/L | <1.0 | <1.0 | | 20 | |
| Chromium | mg/L | <7.0 ug/L | <0.0070 | | 20 | |
| Lead | ug/L | <1.0 | <1.0 | | 20 | |
| Mercury | ug/L | <0.20 | <0.20 | | 20 | |
| Nickel | mg/L | 0.97 ug/L | 0.00092 | 5 | 20 | |
| Selenium | ug/L | <2.0 | <2.0 | | 20 | |
| Silver | mg/L | <1.0 ug/L | <0.0010 | | 20 | |
| Thallium | ug/L | <0.30 | <0.30 | | 20 | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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

Project: IOC/BACT/VOC 8/15

Pace Project No.: 7061689

QC Batch: 79351

Analysis Method: SM22 9223B Colilert

QC Batch Method: SM22 9223B Colilert

Analysis Description: TotColDW MBIO Total Coliform

Associated Lab Samples: 7061689001, 7061689002, 7061689003, 7061689004

METHOD BLANK: 364963

Matrix: Drinking Water

Associated Lab Samples: 7061689001, 7061689002, 7061689003, 7061689004

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------------|-------|--------------|-----------------|----------------|------------|
| E.coli | | Absent | | 08/16/18 12:00 | |
| Total Coliforms | | Absent | | 08/16/18 12:00 | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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

Project: IOC/BACT/VOC 8/15

Pace Project No.: 7061689

QC Batch: 80095 Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV
Associated Lab Samples: 7061689001, 7061689002, 7061689003, 7061689004

METHOD BLANK: 368470 Matrix: Water
Associated Lab Samples: 7061689001, 7061689002, 7061689003, 7061689004

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|----------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| 1,1,1-Trichloroethane | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| 1,1,2,2-Tetrachloroethane | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| 1,1,2-Trichloroethane | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | N3 |
| 1,1-Dichloroethane | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| 1,1-Dichloroethene | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| 1,1-Dichloropropene | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| 1,2,3-Trichlorobenzene | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| 1,2,3-Trichloropropane | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| 1,2,4-Trichlorobenzene | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| 1,2,4-Trimethylbenzene | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| 1,2-Dichlorobenzene | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| 1,2-Dichloroethane | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| 1,2-Dichloropropane | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| 1,3,5-Trimethylbenzene | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| 1,3-Dichlorobenzene | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| 1,3-Dichloropropane | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| 1,4-Dichlorobenzene | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| 2,2-Dichloropropane | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| 2-Chlorotoluene | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| 4-Chlorotoluene | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| Benzene | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| Bromobenzene | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| Bromochloromethane | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| Bromodichloromethane | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| Bromoform | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| Bromomethane | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| Carbon tetrachloride | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| Chlorobenzene | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| Chlorodifluoromethane | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | N3 |
| Chloroethane | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| Chloroform | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| Chloromethane | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| cis-1,2-Dichloroethene | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| cis-1,3-Dichloropropene | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| Dibromochloromethane | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| Dibromomethane | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| Dichlorodifluoromethane | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| Ethylbenzene | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| Hexachloro-1,3-butadiene | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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

Project: IOC/BACT/VOC 8/15

Pace Project No.: 7061689

METHOD BLANK: 368470

Matrix: Water

Associated Lab Samples: 7061689001, 7061689002, 7061689003, 7061689004

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-------------------------------|-------|--------------|-----------------|----------------|------------|
| Isopropylbenzene (Cumene) | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| m&p-Xylene | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| Methyl-tert-butyl ether | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| Methylene Chloride | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| n-Butylbenzene | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| n-Propylbenzene | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| o-Xylene | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| p-Isopropyltoluene | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| sec-Butylbenzene | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| Styrene | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| tert-Butylbenzene | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| Tetrachloroethene | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| Toluene | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| Total Trihalomethanes (Calc.) | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| trans-1,2-Dichloroethene | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| trans-1,3-Dichloropropene | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| Trichloroethene | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| Trichlorofluoromethane | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| Vinyl chloride | ug/L | <0.50 | 0.50 | 08/22/18 07:59 | |
| 1,2-Dichlorobenzene-d4 (S) | % | 112 | 70-130 | 08/22/18 07:59 | |
| 4-Bromofluorobenzene (S) | % | 99 | 70-130 | 08/22/18 07:59 | |

LABORATORY CONTROL SAMPLE: 368471

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | 10 | 10.9 | 109 | 70-130 | |
| 1,1,1-Trichloroethane | ug/L | 10 | 10.6 | 106 | 70-130 | |
| 1,1,2,2-Tetrachloroethane | ug/L | 10 | 10.3 | 103 | 70-130 | |
| 1,1,2-Trichloroethane | ug/L | 10 | 9.5 | 95 | 70-130 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | 10 | 11.6 | 116 | 70-130 | N3 |
| 1,1-Dichloroethane | ug/L | 10 | 9.5 | 95 | 70-130 | |
| 1,1-Dichloroethene | ug/L | 10 | 9.2 | 92 | 70-130 | |
| 1,1-Dichloropropene | ug/L | 10 | 9.5 | 95 | 70-130 | |
| 1,2,3-Trichlorobenzene | ug/L | 10 | 9.2 | 92 | 70-130 | |
| 1,2,3-Trichloropropane | ug/L | 10 | 11.6 | 116 | 70-130 | |
| 1,2,4-Trichlorobenzene | ug/L | 10 | 11.0 | 110 | 70-130 | |
| 1,2,4-Trimethylbenzene | ug/L | 10 | 10.9 | 109 | 70-130 | |
| 1,2-Dichlorobenzene | ug/L | 10 | 11.2 | 112 | 70-130 | |
| 1,2-Dichloroethane | ug/L | 10 | 10.9 | 109 | 70-130 | |
| 1,2-Dichloropropane | ug/L | 10 | 8.7 | 87 | 70-130 | |
| 1,3,5-Trimethylbenzene | ug/L | 10 | 10.7 | 107 | 70-130 | |
| 1,3-Dichlorobenzene | ug/L | 10 | 11.4 | 114 | 70-130 | |
| 1,3-Dichloropropane | ug/L | 10 | 9.7 | 97 | 70-130 | |
| 1,4-Dichlorobenzene | ug/L | 10 | 11.3 | 113 | 70-130 | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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

Project: IOC/BACT/VOC 8/15

Pace Project No.: 7061689

LABORATORY CONTROL SAMPLE: 368471

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-------------------------------|-------|-------------|------------|-----------|--------------|------------|
| 2,2-Dichloropropane | ug/L | 10 | 10.9 | 109 | 70-130 | |
| 2-Chlorotoluene | ug/L | 10 | 10.1 | 101 | 70-130 | |
| 4-Chlorotoluene | ug/L | 10 | 10.1 | 101 | 70-130 | |
| Benzene | ug/L | 10 | 8.9 | 89 | 70-130 | |
| Bromobenzene | ug/L | 10 | 10.8 | 108 | 70-130 | |
| Bromochloromethane | ug/L | 10 | 11.0 | 110 | 70-130 | |
| Bromodichloromethane | ug/L | 10 | 10.2 | 102 | 70-130 | |
| Bromoform | ug/L | 10 | 11.3 | 113 | 70-130 | |
| Bromomethane | ug/L | 10 | 8.4 | 84 | 70-130 | |
| Carbon tetrachloride | ug/L | 10 | 10.8 | 108 | 70-130 | |
| Chlorobenzene | ug/L | 10 | 10.5 | 105 | 70-130 | |
| Chlorodifluoromethane | ug/L | 10 | 12.0 | 120 | 70-130 | N3 |
| Chloroethane | ug/L | 10 | 8.5 | 85 | 70-130 | |
| Chloroform | ug/L | 10 | 9.9 | 99 | 70-130 | |
| Chloromethane | ug/L | 10 | 8.5 | 85 | 70-130 | |
| cis-1,2-Dichloroethene | ug/L | 10 | 9.5 | 95 | 70-130 | |
| cis-1,3-Dichloropropene | ug/L | 10 | 9.3 | 93 | 70-130 | |
| Dibromochloromethane | ug/L | 10 | 11.2 | 112 | 70-130 | |
| Dibromomethane | ug/L | 10 | 9.7 | 97 | 70-130 | |
| Dichlorodifluoromethane | ug/L | 10 | 9.5 | 95 | 70-130 | |
| Ethylbenzene | ug/L | 10 | 10.7 | 107 | 70-130 | |
| Hexachloro-1,3-butadiene | ug/L | 10 | 8.4 | 84 | 70-130 | |
| Isopropylbenzene (Cumene) | ug/L | 10 | 10.8 | 108 | 70-130 | |
| m&p-Xylene | ug/L | 20 | 22.0 | 110 | 70-130 | |
| Methyl-tert-butyl ether | ug/L | 10 | 13.2 | 132 | 70-130 | L1 |
| Methylene Chloride | ug/L | 10 | 8.6 | 86 | 70-130 | |
| n-Butylbenzene | ug/L | 10 | 10.4 | 104 | 70-130 | |
| n-Propylbenzene | ug/L | 10 | 9.9 | 99 | 70-130 | |
| o-Xylene | ug/L | 10 | 10.5 | 105 | 70-130 | |
| p-Isopropyltoluene | ug/L | 10 | 11.5 | 115 | 70-130 | |
| sec-Butylbenzene | ug/L | 10 | 10.8 | 108 | 70-130 | |
| Styrene | ug/L | 10 | 10.8 | 108 | 70-130 | |
| tert-Butylbenzene | ug/L | 10 | 11.3 | 113 | 70-130 | |
| Tetrachloroethene | ug/L | 10 | 10.3 | 103 | 70-130 | |
| Toluene | ug/L | 10 | 9.6 | 96 | 70-130 | |
| Total Trihalomethanes (Calc.) | ug/L | | 42.7 | | | |
| trans-1,2-Dichloroethene | ug/L | 10 | 10 | 100 | 70-130 | |
| trans-1,3-Dichloropropene | ug/L | 10 | 9.4 | 94 | 70-130 | |
| Trichloroethene | ug/L | 10 | 10 | 100 | 70-130 | |
| Trichlorofluoromethane | ug/L | 10 | 11.6 | 116 | 70-130 | |
| Vinyl chloride | ug/L | 10 | 8.0 | 80 | 70-130 | |
| 1,2-Dichlorobenzene-d4 (S) | % | | | 111 | 70-130 | |
| 4-Bromofluorobenzene (S) | % | | | 104 | 70-130 | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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

Project: IOC/BACT/VOC 8/15
Pace Project No.: 7061689

QC Batch: 79370 Analysis Method: SM22 2150B
QC Batch Method: SM22 2150B Analysis Description: 2150B Threshold Odor Number
Associated Lab Samples: 7061689001, 7061689002, 7061689003, 7061689004

METHOD BLANK: 365131 Matrix: Drinking Water
Associated Lab Samples: 7061689001, 7061689002, 7061689003, 7061689004

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---------------------|-------|--------------|-----------------|----------------|------------|
| Odor @ 60 Degrees C | | No odor | 1.0 | 08/16/18 03:19 | |

SAMPLE DUPLICATE: 365132

| Parameter | Units | 7061708002 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---------------------|-------|-------------------|------------|-----|---------|------------|
| Odor @ 60 Degrees C | | No odor observed | No odor | | 20 | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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

Project: IOC/BACT/VOC 8/15
Pace Project No.: 7061689

QC Batch: 79722 Analysis Method: SM22 2510B
QC Batch Method: SM22 2510B Analysis Description: 2510B Specific Conductance
Associated Lab Samples: 7061689001, 7061689002, 7061689003, 7061689004

METHOD BLANK: 366654 Matrix: Water
Associated Lab Samples: 7061689001, 7061689002, 7061689003, 7061689004

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|----------------------|----------|--------------|-----------------|----------------|------------|
| Specific Conductance | umhos/cm | <1.0 | 1.0 | 08/18/18 08:19 | |

LABORATORY CONTROL SAMPLE: 366655

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------|----------|-------------|------------|-----------|--------------|------------|
| Specific Conductance | umhos/cm | 718 | 703 | 98 | 85-115 | |

SAMPLE DUPLICATE: 366656

| Parameter | Units | 7061483001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|----------------------|----------|-------------------|------------|-----|---------|------------|
| Specific Conductance | umhos/cm | 159 | 160 | 0 | 20 | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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

Project: IOC/BACT/VOC 8/15

Pace Project No.: 7061689

QC Batch: 79365

Analysis Method: SM22 5540C

QC Batch Method: SM22 5540C

Analysis Description: 5540C MBAS Surfactants

Associated Lab Samples: 7061689001, 7061689002, 7061689003, 7061689004

METHOD BLANK: 365106

Matrix: Water

Associated Lab Samples: 7061689001, 7061689002, 7061689003, 7061689004

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------------------------|-------|--------------|-----------------|----------------|------------|
| LAS Molecular Weight, g/mol | | 320 | | 08/16/18 02:43 | |
| MBAS, Calculated as LAS | mg/L | <0.080 | 0.080 | 08/16/18 02:43 | |

LABORATORY CONTROL SAMPLE: 365107

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------------------------|-------|-------------|------------|-----------|--------------|------------|
| LAS Molecular Weight, g/mol | | | 320 | | | |
| MBAS, Calculated as LAS | mg/L | .24 | 0.23 | 97 | 85-115 | |

MATRIX SPIKE SAMPLE: 365098

| Parameter | Units | 7061669001 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|-----------------------------|-------|-------------------|-------------|-----------|----------|--------------|------------|
| LAS Molecular Weight, g/mol | | <0 | | 320 | | | |
| MBAS, Calculated as LAS | mg/L | <0.080 | .24 | 0.24 | 90 | 75-125 | |

SAMPLE DUPLICATE: 365108

| Parameter | Units | 7061643001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|-----------------------------|-------|-------------------|------------|-----|---------|------------|
| LAS Molecular Weight, g/mol | | 320 | 320 | | | |
| MBAS, Calculated as LAS | mg/L | <0.080 | <0.080 | | 20 | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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

Project: IOC/BACT/VOC 8/15

Pace Project No.: 7061689

QC Batch: 79742

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Analysis Description: 300.0 IC Anions

Associated Lab Samples: 7061689001, 7061689002, 7061689003, 7061689004

METHOD BLANK: 366798

Matrix: Water

Associated Lab Samples: 7061689001, 7061689002, 7061689003, 7061689004

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Fluoride | mg/L | <0.10 | 0.10 | 08/20/18 04:37 | |
| Sulfate | mg/L | <5.0 | 5.0 | 08/20/18 04:37 | |

LABORATORY CONTROL SAMPLE: 366799

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Fluoride | mg/L | 1 | 1.1 | 105 | 90-110 | |
| Sulfate | mg/L | 10 | 10.8 | 108 | 90-110 | |

MATRIX SPIKE SAMPLE: 366802

| Parameter | Units | 7060943001 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------------|-------------|-----------|----------|--------------|------------|
| Fluoride | mg/L | <0.10 | 1 | 0.98 | 93 | 80-120 | |
| Sulfate | mg/L | 10 | 10 | 19.8 | 99 | 80-120 | |

SAMPLE DUPLICATE: 366803

| Parameter | Units | 7060943001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|-----------|-------|-------------------|------------|-----|---------|------------|
| Fluoride | mg/L | <0.10 | <0.10 | | 20 | |
| Sulfate | mg/L | 10 | 9.8 | 2 | 20 | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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

Project: IOC/BACT/VOC 8/15
Pace Project No.: 7061689

QC Batch: 79350 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrite, Unpres.
Associated Lab Samples: 7061689001, 7061689002, 7061689003, 7061689004

METHOD BLANK: 364947 Matrix: Water
Associated Lab Samples: 7061689001, 7061689002, 7061689003, 7061689004

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------|-------|--------------|-----------------|----------------|------------|
| Nitrite as N | mg/L | <0.050 | 0.050 | 08/15/18 19:21 | |

LABORATORY CONTROL SAMPLE: 364948

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------|-------|-------------|------------|-----------|--------------|------------|
| Nitrite as N | mg/L | 1 | 0.99 | 99 | 90-110 | |

MATRIX SPIKE SAMPLE: 364949

| Parameter | Units | 7061638001 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|--------------|-------|-------------------|-------------|-----------|----------|--------------|------------|
| Nitrite as N | mg/L | <0.050 | .5 | 0.39 | 79 | 90-110 | M1 |

MATRIX SPIKE SAMPLE: 364951

| Parameter | Units | 7061569001 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|--------------|-------|-------------------|-------------|-----------|----------|--------------|------------|
| Nitrite as N | mg/L | <0.050 | .5 | 0.30 | 60 | 90-110 | M1 |

SAMPLE DUPLICATE: 364950

| Parameter | Units | 7061638001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|--------------|-------|-------------------|------------|-----|---------|------------|
| Nitrite as N | mg/L | <0.050 | <0.050 | | 20 | |

SAMPLE DUPLICATE: 364952

| Parameter | Units | 7061569001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|--------------|-------|-------------------|------------|-----|---------|------------|
| Nitrite as N | mg/L | <0.050 | <0.050 | | 20 | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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

Project: IOC/BACT/VOC 8/15

Pace Project No.: 7061689

QC Batch: 79360

Analysis Method: EPA 353.2

QC Batch Method: EPA 353.2

Analysis Description: 353.2 Nitrate, Unpres.

Associated Lab Samples: 7061689001, 7061689002, 7061689003, 7061689004

METHOD BLANK: 365074

Matrix: Water

Associated Lab Samples: 7061689001, 7061689002, 7061689003, 7061689004

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|------------------------|-------|--------------|-----------------|----------------|------------|
| Nitrate-Nitrite (as N) | mg/L | <0.050 | 0.050 | 08/15/18 20:56 | |

LABORATORY CONTROL SAMPLE: 365075

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------------------|-------|-------------|------------|-----------|--------------|------------|
| Nitrate-Nitrite (as N) | mg/L | 1 | 1.0 | 100 | 90-110 | |

MATRIX SPIKE SAMPLE: 365076

| Parameter | Units | 7061644001 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|------------------------|-------|-------------------|-------------|-----------|----------|--------------|------------|
| Nitrate-Nitrite (as N) | mg/L | 0.75 | .5 | 1.3 | 114 | 90-110 | M1 |

MATRIX SPIKE SAMPLE: 365078

| Parameter | Units | 7061669001 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|------------------------|-------|-------------------|-------------|-----------|----------|--------------|------------|
| Nitrate-Nitrite (as N) | mg/L | 9.1 | 5 | 13.2 | 82 | 90-110 | M6 |

SAMPLE DUPLICATE: 365077

| Parameter | Units | 7061644001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|-------------------|------------|-----|---------|------------|
| Nitrate-Nitrite (as N) | mg/L | 0.75 | 0.75 | 0 | 20 | |

SAMPLE DUPLICATE: 365079

| Parameter | Units | 7061669001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|-------------------|------------|-----|---------|------------|
| Nitrate-Nitrite (as N) | mg/L | 9.1 | 8.2 | 11 | 20 | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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

Project: IOC/BACT/VOC 8/15
Pace Project No.: 7061689

QC Batch: 79604 Analysis Method: SM22 4500-CN-E
QC Batch Method: SM20/22 4500-CN-C Analysis Description: 4500 CNE Cyanide, Total
Associated Lab Samples: 7061689001, 7061689002, 7061689003, 7061689004

METHOD BLANK: 366024 Matrix: Water
Associated Lab Samples: 7061689001, 7061689002, 7061689003, 7061689004

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Cyanide | ug/L | <10.0 | 10.0 | 08/17/18 13:09 | |

LABORATORY CONTROL SAMPLE: 366025

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Cyanide | ug/L | 75 | 66.6 | 89 | 85-115 | |

MATRIX SPIKE SAMPLE: 366026

| Parameter | Units | 7061183001 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------------|-------------|-----------|----------|--------------|------------|
| Cyanide | ug/L | <10.0 | 100 | 94.4 | 94 | 75-125 | |

SAMPLE DUPLICATE: 366027

| Parameter | Units | 7061183001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|-----------|-------|-------------------|------------|-----|---------|------------|
| Cyanide | ug/L | <10.0 | <10.0 | | 20 | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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

Project: IOC/BACT/VOC 8/15

Pace Project No.: 7061689

QC Batch: 79488 Analysis Method: SM22 4500-Cl-E
 QC Batch Method: SM22 4500-Cl-E Analysis Description: 4500 Chloride
 Associated Lab Samples: 7061689001, 7061689002, 7061689003, 7061689004

METHOD BLANK: 365431 Matrix: Water
 Associated Lab Samples: 7061689001, 7061689002, 7061689003, 7061689004

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Chloride | mg/L | <2.0 | 2.0 | 08/16/18 13:30 | |

LABORATORY CONTROL SAMPLE: 365432

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Chloride | mg/L | 50 | 54.3 | 109 | 90-110 | |

MATRIX SPIKE SAMPLE: 365433

| Parameter | Units | 7061365001 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------------|-------------|-----------|----------|--------------|------------|
| Chloride | mg/L | 17.2 | 25 | 44.6 | 109 | 80-120 | |

SAMPLE DUPLICATE: 365434

| Parameter | Units | 7061365001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|-----------|-------|-------------------|------------|-----|---------|------------|
| Chloride | mg/L | 17.2 | 17.4 | 1 | 20 | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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

Project: IOC/BACT/VOC 8/15
Pace Project No.: 7061689

QC Batch: 80107 Analysis Method: SM22 4500 NH3 H
QC Batch Method: SM22 4500 NH3 H Analysis Description: 4500 Ammonia
Associated Lab Samples: 7061689001, 7061689002, 7061689003, 7061689004

METHOD BLANK: 368478 Matrix: Water
Associated Lab Samples: 7061689001, 7061689002, 7061689003, 7061689004

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-------------------|-------|--------------|-----------------|----------------|------------|
| Nitrogen, Ammonia | mg/L | <0.10 | 0.10 | 08/22/18 12:51 | |

LABORATORY CONTROL SAMPLE: 368479

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-------------------|-------|-------------|------------|-----------|--------------|------------|
| Nitrogen, Ammonia | mg/L | 1 | 0.94 | 94 | 90-110 | |

MATRIX SPIKE SAMPLE: 368480

| Parameter | Units | 7060822008 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|-------------------|-------|-------------------|-------------|-----------|----------|--------------|------------|
| Nitrogen, Ammonia | mg/L | 0.084J | 1 | 1.2 | 107 | 75-125 | |

SAMPLE DUPLICATE: 368481

| Parameter | Units | 7060822008 Result | Dup Result | RPD | Max RPD | Qualifiers |
|-------------------|-------|-------------------|------------|-----|---------|------------|
| Nitrogen, Ammonia | mg/L | 0.084J | <0.10 | | 20 | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: IOC/BACT/VOC 8/15

Pace Project No.: 7061689

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 adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

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.

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.

SAMPLE QUALIFIERS

Sample: 7061689003

[1] RUN TO WASTE

Sample: 7061689004

[1] WELLS 1-1 & 1-2 COMBINED

ANALYTE QUALIFIERS

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

N3 Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

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: IOC/BACT/VOC 8/15

Pace Project No.: 7061689

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|------------|-----------------|---------------------|----------|---------------------|------------------|
| 7061689001 | S-15687 | | 79444 | | |
| 7061689002 | S-24848 | | 79444 | | |
| 7061689003 | S-31636 | | 79444 | | |
| 7061689004 | S-15687/S-24848 | | 79444 | | |
| 7061689001 | S-15687 | EPA 200.7 | 79759 | | |
| 7061689002 | S-24848 | EPA 200.7 | 79759 | | |
| 7061689003 | S-31636 | EPA 200.7 | 79759 | | |
| 7061689004 | S-15687/S-24848 | EPA 200.7 | 79759 | | |
| 7061689001 | S-15687 | EPA 200.8 | 79397 | | |
| 7061689002 | S-24848 | EPA 200.8 | 79397 | | |
| 7061689003 | S-31636 | EPA 200.8 | 79397 | | |
| 7061689004 | S-15687/S-24848 | EPA 200.8 | 79397 | | |
| 7061689001 | S-15687 | SM22 9223B Colilert | 79351 | SM22 9223B Colilert | 79519 |
| 7061689002 | S-24848 | SM22 9223B Colilert | 79351 | SM22 9223B Colilert | 79519 |
| 7061689003 | S-31636 | SM22 9223B Colilert | 79351 | SM22 9223B Colilert | 79519 |
| 7061689004 | S-15687/S-24848 | SM22 9223B Colilert | 79351 | SM22 9223B Colilert | 79519 |
| 7061689001 | S-15687 | EPA 524.2 | 80095 | | |
| 7061689002 | S-24848 | EPA 524.2 | 80095 | | |
| 7061689003 | S-31636 | EPA 524.2 | 80095 | | |
| 7061689004 | S-15687/S-24848 | EPA 524.2 | 80095 | | |
| 7061689001 | S-15687 | SM22 2120B | 79369 | | |
| 7061689002 | S-24848 | SM22 2120B | 79369 | | |
| 7061689003 | S-31636 | SM22 2120B | 79369 | | |
| 7061689004 | S-15687/S-24848 | SM22 2120B | 79369 | | |
| 7061689001 | S-15687 | SM22 2150B | 79370 | | |
| 7061689002 | S-24848 | SM22 2150B | 79370 | | |
| 7061689003 | S-31636 | SM22 2150B | 79370 | | |
| 7061689004 | S-15687/S-24848 | SM22 2150B | 79370 | | |
| 7061689001 | S-15687 | SM22 2510B | 79722 | | |
| 7061689002 | S-24848 | SM22 2510B | 79722 | | |
| 7061689003 | S-31636 | SM22 2510B | 79722 | | |
| 7061689004 | S-15687/S-24848 | SM22 2510B | 79722 | | |
| 7061689001 | S-15687 | SM22 5540C | 79365 | SM22 5540C | 79372 |
| 7061689002 | S-24848 | SM22 5540C | 79365 | SM22 5540C | 79372 |
| 7061689003 | S-31636 | SM22 5540C | 79365 | SM22 5540C | 79372 |
| 7061689004 | S-15687/S-24848 | SM22 5540C | 79365 | SM22 5540C | 79372 |
| 7061689001 | S-15687 | EPA 300.0 | 79742 | | |
| 7061689002 | S-24848 | EPA 300.0 | 79742 | | |
| 7061689003 | S-31636 | EPA 300.0 | 79742 | | |
| 7061689004 | S-15687/S-24848 | EPA 300.0 | 79742 | | |
| 7061689001 | S-15687 | EPA 353.2 | 79360 | | |
| 7061689002 | S-24848 | EPA 353.2 | 79360 | | |
| 7061689003 | S-31636 | EPA 353.2 | 79360 | | |
| 7061689004 | S-15687/S-24848 | EPA 353.2 | 79360 | | |

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: IOC/BACT/VOC 8/15

Pace Project No.: 7061689

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|------------|-----------------|-------------------|----------|-------------------|------------------|
| 7061689001 | S-15687 | EPA 353.2 | 79350 | | |
| 7061689002 | S-24848 | EPA 353.2 | 79350 | | |
| 7061689003 | S-31636 | EPA 353.2 | 79350 | | |
| 7061689004 | S-15687/S-24848 | EPA 353.2 | 79350 | | |
| 7061689001 | S-15687 | SM20/22 4500-CN-C | 79604 | SM22 4500-CN-E | 79649 |
| 7061689002 | S-24848 | SM20/22 4500-CN-C | 79604 | SM22 4500-CN-E | 79649 |
| 7061689003 | S-31636 | SM20/22 4500-CN-C | 79604 | SM22 4500-CN-E | 79649 |
| 7061689004 | S-15687/S-24848 | SM20/22 4500-CN-C | 79604 | SM22 4500-CN-E | 79649 |
| 7061689001 | S-15687 | SM22 4500-CI-E | 79488 | | |
| 7061689002 | S-24848 | SM22 4500-CI-E | 79488 | | |
| 7061689003 | S-31636 | SM22 4500-CI-E | 79488 | | |
| 7061689004 | S-15687/S-24848 | SM22 4500-CI-E | 79488 | | |
| 7061689001 | S-15687 | SM22 4500 NH3 H | 80107 | | |
| 7061689002 | S-24848 | SM22 4500 NH3 H | 80107 | | |
| 7061689003 | S-31636 | SM22 4500 NH3 H | 80107 | | |
| 7061689004 | S-15687/S-24848 | SM22 4500 NH3 H | 80107 | | |

REPORT OF LABORATORY ANALYSIS

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

WO#: 7061689



7061689

(631) 694-3040 FAX: (631) 694-3041

Client Info: HAMPTON BAYS WATER DISTRICT
P.O. BOX 1013
Name or Code: HAMPTON BAYS, NEW YORK 11946
Address: (631) 728-0479

Phone #: _____
Attn: _____
Proj. # or (Name): _____
Bill To: _____
Copies To: _____

Sample Info:

| Date/Time Collected: | Sample Type | Location | Origin | Treatment Type | Purpose | Field Readings Cl ₂ pH/Temp | Analysis | Lab No. |
|----------------------|-------------|-------------------|--------|----------------|---------|---|--------------|---------|
| 7:55 8-15-18 | GW | WELL 1-1 | RW | - | RO | 6.35/14.4°C | IOC'S | 001 |
| 8:10 8-15-18 | GW | WELL 1-3 | RW | - | RO | 6.28/14.5°C | IOC'S | 002 |
| 8:30 8-15-18 | GW | WELL 1-3 | RW | - | RO | 6.37/15.4°C | IOC'S | 003 |
| 8:35 8-15-18 | GW | COMBINED EFFLUENT | RW | - | RO | 6.67/15.3°C | IOC'S | 004 |
| 7:55 8-15-18 | GW | WELL 1-1 | | | | | BACT + POC'S | 001 |
| 8:10 8-15-18 | GW | WELL 1-3 | | | | | BACT + POC'S | 002 |
| 8:30 8-15-18 | GW | WELL 1-3 | | | | | BACT + POC'S | 003 |
| 8:35 8-15-18 | GW | COMBINED EFFLUENT | RW | - | PO | | BACT + POC'S | 004 |

Remarks:

**Sample Request Form
PUBLIC WATER SUPPLIER**

Date:

8-15-18

Collected By:

W Booth

Accepted By:

[Signature]

Cooler Temp:

°C

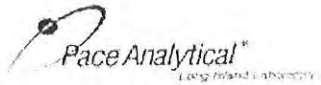
WELL OFF LINE 1-3 to blowoff

WELL RUN TO SYSTEM 1-1, 1-2

Comb. EFF.

YES NO VOC'S PRESERVED WITH HCl

| Sample Types | Purpose | Origin | Treatment Types |
|--------------------|---------------|----------------------|-----------------------------------|
| PW - Potable Water | RO - Routine | D - Distribution | AST - Air Stripper |
| GW - Groundwater | RE - Resample | RW - Raw Well | GAC - Granular Activated Charcoal |
| SW - Surface Water | S - Special | TW - Treated Well | N - Nitrate Removal Plant |
| WW - Waste Water | | T - Tank | FE - Iron Removal Plant |
| AQ - Aqueous | | MW - Monitoring Well | O - Other |
| S - Soil | | I - Influent | |
| | | E - Effluent | |



Sample Condition Upon Receipt

Client Name: HBW

WO#: 7061689
 PM: SWM Due Date: 08/27/18
 CLIENT: HBW

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: _____

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Thermometer Used: TH091 Correction Factor: 0.0

Cooler Temperature (°C): 5.6 Cooler Temperature Corrected (°C): 5.6

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)

Date and Initials of person examining contents: 8/15

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? YES NO

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

| | | COMMENTS: |
|---|--|--|
| Chain of Custody Present: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 1. |
| Chain of Custody Filled Out: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 2. |
| Chain of Custody Relinquished: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 3. |
| 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. |
| Short Hold Time Analysis (<72hr): | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 6. |
| Rush Turn Around Time Requested: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 7. |
| Sufficient Volume: (Triple volume provided for MS/MSD) | <input type="checkbox"/> Yes <input type="checkbox"/> No | 8. |
| Correct Containers Used: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 9. |
| -Pace Containers Used: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| 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. Note if sediment is visible in the dissolved container. |
| Sample Labels match COC: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 12. |
| -Includes date/time/ID/Analysis Matrix SL WT OIL | | |
| All containers needing preservation have been checked | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl |
| pH paper Lot # | | Sample # |
| All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH > 9 Sulfide, NaOH > 12 Cyanide) | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | Initial when completed: _____ Lot # of added preservative: _____ Date/Time preservative added: _____ |
| Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis | | |
| Samples checked for dechlorination: | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 14. Positive for Res. Chlorine? Y N |
| KI starch test strips Lot # | | |
| Residual chlorine strips Lot # | | |
| Headspace in VOA Vials (>6mm): | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 15. |
| Trip Blank Present: | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 16. |
| Trip Blank Custody Seals Present | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | |
| Pace Trip Blank Lot # (if applicable): _____ | | |

Client Notification/ Resolution: _____

Field Data Required? Y / N

Person Contacted: _____

Date/Time: _____

Comments/ Resolution: _____

