



8/11/2020

**Work Order: 20H0283**  
**Project: Disinfection Byproducts**

**Eden Waterworks Company**  
**Attn: Thom Summers**  
**PO Box 45**  
**Eden, UT 84310**

**Client Service Contact: 801.262.7299**

The analyses presented on this report were performed in accordance with the National Environmental Laboratory Accreditation Program (NELAP) unless noted in the comments, flags, or case narrative. If the report is to be used for regulatory compliance, it should be presented in its entirety, and not be altered.



Approved By:

Dave Gayer, Laboratory Director



## Certificate of Analysis

**Lab Sample No.: 20H0283-01**

|  |   |
|--|---|
| <b>Name:</b> Eden Waterworks Company     | <b>Sample Date:</b> 8/5/2020 8:00 AM    |
| <b>Sample Site:</b> Richard Holley House | <b>Receipt Date:</b> 8/5/2020 2:10 PM   |
| <b>Comments:</b>                         | <b>Sampler:</b> Thom Summers            |
| <b>Sample Matrix:</b> Drinking Water     | <b>Project:</b> Disinfection Byproducts |
| <b>PO Number:</b>                        | <b>System No.:</b> UTAH29005            |
| <b>Source Code:</b> DS001                | <b>Sample Point:</b> MR001              |
|  | <b>Report to State:</b> Y               |

| Parameter                                | Sample Result | EPA Max Contaminant Level (MCL) | Minimum Reporting Limit | Units | Analytical Method | Preparation Date/Time | Analysis Date/Time | Flag |
|--|---------------|---------------------------------|-------------------------|-------|-------------------|-----------------------|--------------------|------|
| <b>Regulated Haloacetic Acids (HAAs)</b> |               |                                 |                         |       |                   |                       |                    |      |
| Dibromoacetic Acid                       | ND            |                                 | 1.0                     | ug/L  | EPA 552.2         | 08/06/2020            | 08/07/2020         |      |
| Dichloroacetic Acid                      | ND            |                                 | 1.0                     | ug/L  | EPA 552.2         | 08/06/2020            | 08/07/2020         |      |
| Monobromoacetic Acid                     | ND            |                                 | 1.0                     | ug/L  | EPA 552.2         | 08/06/2020            | 08/07/2020         |      |
| Monochloroacetic Acid                    | ND            |                                 | 2.0                     | ug/L  | EPA 552.2         | 08/06/2020            | 08/07/2020         |      |
| Trichloroacetic Acid                     | ND            |                                 | 1.0                     | ug/L  | EPA 552.2         | 08/06/2020            | 08/07/2020         |      |
| Total Haloacetic Acids                   | ND            | 60                              | 2.0                     | ug/L  | EPA 552.2         | 08/06/2020            | 08/07/2020         |      |
| <b>Trihalomethanes (THMs)</b>            |               |                                 |                         |       |                   |                       |                    |      |
| Bromodichloromethane                     | ND            |                                 | 0.5                     | ug/L  | EPA 524.2         | 08/06/2020            | 08/06/2020         |      |
| Bromoform                                | ND            |                                 | 0.5                     | ug/L  | EPA 524.2         | 08/06/2020            | 08/06/2020         |      |
| Chloroform                               | ND            |                                 | 0.5                     | ug/L  | EPA 524.2         | 08/06/2020            | 08/06/2020         |      |
| Dibromochloromethane                     | ND            |                                 | 0.5                     | ug/L  | EPA 524.2         | 08/06/2020            | 08/06/2020         |      |
| Total Trihalomethanes                    | ND            | 80                              | 0.5                     | ug/L  | EPA 524.2         | 08/06/2020            | 08/06/2020         |      |



## Certificate of Analysis

### Report Footnotes

#### Abbreviations

ND = Not detected at the corresponding Minimum Reporting Limit.

1 mg/L = one milligram per liter or 1 mg/Kg = one milligram per kilogram = 1 part per million.

1 ug/L = one microgram per liter or 1 ug/Kg = one microgram per kilogram = 1 part per billion.

1 ng/L = one nanogram per liter or 1 ng/Kg = one nanogram per kilogram = 1 part per trillion.

#### Data Comparisons

Values reported in **RED** exceed Primary Drinking Water standards.

Values reported in **BLUE** exceed Secondary Drinking Water standards.

**BLANK** values in the MCL column indicate no standard.

**DRINKING WATER SAMPLES ONLY**

**CHEMTECH - FORD ANALYTICAL LABORATORY**

**CHAIN OF CUSTODY**

COMPANY: Eden Waterworks System  
 ADDRESS: 5402 East 2200 North  
 CITY/STATE/ZIP: Eden, UT 84310  
 PHONE #: 801-603-6082 FAX: \_\_\_\_\_  
 CONTACT: Thom Summers PROJECT: Disinfection Byproducts  
 EMAIL: thom.summersfarms@gmail.com

BILLING ADDRESS: P6 Box 13  
 BILLING CITY/STATE/ZIP: Eden UT 84310  
 PURCHASE ORDER: \_\_\_\_\_



TURNAROUND TIME REQUIRED\*: \_\_\_\_\_  
 \* Expedited turnaround subject to additional charge

| State System Number | Send to State  |
|---------------------|--|
| 29005               | <input checked="checked" type="checkbox"/> Yes <input type="checkbox"/> No |

Please fill in all blue highlighted areas. Thank you!

| TESTS REQUESTED |      |  |  |  |  |  |  |  |  |  |  |  |  |  | Bacteria                                  |                                       |                   | LAB FAIL Ref # |
|-----------------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---------------------------------------|-------------------|----------------|
|                 |      |  |  |  |  |  |  |  |  |  |  |  |  |  | Total Coliform + E. coli (Present/Absent) | Total Coliform + E. coli (Enumerated) | HPC (Plate Count) |                |
|                 |      |  |  |  |  |  |  |  |  |  |  |  |  |  |   |                                       |                   |                |
| THMs            | HAAs |  |  |  |  |  |  |  |  |  |  |  |  |  |   |                                       |                   |                |
| X               | X    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |                                       |                   |                |
|                 |      |  |  |  |  |  |  |  |  |  |  |  |  |  |   |                                       |                   |                |
|                 |      |  |  |  |  |  |  |  |  |  |  |  |  |  |   |                                       |                   |                |
|                 |      |  |  |  |  |  |  |  |  |  |  |  |  |  |   |                                       |                   |                |
|                 |      |  |  |  |  |  |  |  |  |  |  |  |  |  |   |                                       |                   |                |
|                 |      |  |  |  |  |  |  |  |  |  |  |  |  |  |   |                                       |                   |                |
|                 |      |  |  |  |  |  |  |  |  |  |  |  |  |  |   |                                       |                   |                |
|                 |      |  |  |  |  |  |  |  |  |  |  |  |  |  |   |                                       |                   |                |
|                 |      |  |  |  |  |  |  |  |  |  |  |  |  |  |   |                                       |                   |                |
|                 |      |  |  |  |  |  |  |  |  |  |  |  |  |  |   |                                       |                   |                |
|                 |      |  |  |  |  |  |  |  |  |  |  |  |  |  |   |                                       |                   |                |

| Lab Use Only | CLIENT SAMPLE INFORMATION |        |       |                           |                  |                          |  |
|--------------|---------------------------|--------|-------|---------------------------|------------------|--------------------------|--|
| 20H0283      | LOCATION                  | DATE   | TIME  | FACILITY ID (source code) | POINT CODE (DBP) | Field: Residual Chlorine |  |
| -01          | 1. Richard Holley House   | 8/5/20 | 10:00 | DS001                     | MR001            |                          |  |
|              | 2.                        |        |       |                           |                  |                          |  |
|              | 3.                        |        |       |                           |                  |                          |  |
|              | 4.                        |        |       |                           |                  |                          |  |
|              | 5.                        |        |       |                           |                  |                          |  |
|              | 6.                        |        |       |                           |                  |                          |  |
|              | 7.                        |        |       |                           |                  |                          |  |
|              | 8.                        |        |       |                           |                  |                          |  |
|              | 9.                        |        |       |                           |                  |                          |  |
|              | 10.                       |        |       |                           |                  |                          |  |

|  |  |   |                     |                       |
|--|--|---|---------------------|-----------------------|
| Sampled by: [print]<br><u>Thom Summers</u> | Sampled by: [signature]<br><u>Thom Summers</u> | ON ICE  | NOT ON ICE          | Temp (C°): <u>7.4</u> |
| Special Instructions:                      |  | Samples received outside the EPA recommended temperature range of 0-6 C° may be rejected. |                     |                       |
| Relinquished by: [signature]               | Date/Time                                      | Received by: [signature]  | Date/Time           |                       |
| <u>Tom SM</u>                              | <u>8-5-20 14:10</u>                            | <u>[Signature]</u>  | <u>8-5-20 17:36</u> |                       |
| Relinquished by: [signature]               | Date/Time                                      | Received by: [signature]  | Date/Time           |                       |
| <u>[Signature]</u>                         | <u>8-5-20 14:10</u>                            | <u>[Signature]</u>  | <u>8-5-20 14:10</u> |                       |

CHEMTECH-FORD  
 9632 South 500 West  
 Sandy, UT 84070

801.262.7299 PHONE  
 866.792.0093 FAX  
[www.ChemtechFord.com](http://www.ChemtechFord.com)

Payment Terms are net 30 days OAC. 1.5% interest charge per month (18% per annum).  
 Client agrees to pay collection costs and attorney's fees.

Work Order # 2040283

CHEMTECH FORD LABORATORIES

Sample Receipt



CHEMTECH-FORD  
LABORATORIES

Delivery Method:

- UPS
- USPS
- FedEx
- Chemtech Courier
- Walk-in
- Customer Courier

Receiving Temperature 7.4 °C

| Sample # | Container    | Chemtech Lot #<br>or<br>Preservative | Number of Subsamples | Preserved by Client/Third Party | Preserved in Receiving Laboratory | Filtered in Field by Client | Misc<br>Volume<br>(oz/mL) | Comments                              |
|----------|--------------|--------------------------------------|----------------------|---------------------------------|-----------------------------------|-----------------------------|---------------------------|---------------------------------------|
|          |              |                                      |                      |                                 |                                   |                             |                           |                                       |
| -01      | H1-3<br>V1-2 | 1040<br>1039                         |                      |                                 |                                   |                             |                           | 1 vial has Headspace<br>Marked with X |
|          |              |                                      |                      |                                 |                                   |                             |                           |                                       |
|          |              |                                      |                      |                                 |                                   |                             |                           |                                       |
|          |              |                                      |                      |                                 |                                   |                             |                           |                                       |
|          |              |                                      |                      |                                 |                                   |                             |                           |                                       |
|          |              |                                      |                      |                                 |                                   |                             |                           |                                       |
|          |              |                                      |                      |                                 |                                   |                             |                           |                                       |
|          |              |                                      |                      |                                 |                                   |                             |                           |                                       |
|          |              |                                      |                      |                                 |                                   |                             |                           |                                       |
|          |              |                                      |                      |                                 |                                   |                             |                           |                                       |
|          |              |                                      |                      |                                 |                                   |                             |                           |                                       |
|          |              |                                      |                      |                                 |                                   |                             |                           |                                       |
|          |              |                                      |                      |                                 |                                   |                             |                           |                                       |
|          |              |                                      |                      |                                 |                                   |                             |                           |                                       |
|          |              |                                      |                      |                                 |                                   |                             |                           |                                       |
|          |              |                                      |                      |                                 |                                   |                             |                           |                                       |
|          |              |                                      |                      |                                 |                                   |                             |                           |                                       |
|          |              |                                      |                      |                                 |                                   |                             |                           |                                       |
|          |              |                                      |                      |                                 |                                   |                             |                           |                                       |

**Sample Condition**  
(check if yes)

- Custody Seals
- Containers Intact
- COC can be matched to bottles
- Received on Ice
- Correct Container(s)
- Sufficient Sample Volume
- Headspace Present (VOC)
- Temperature Blank
- Received within Holding Time

**Plastic Containers**

- A- Plastic Unpreserved
- B- Miscellaneous Plastic
- C- Cyanide Qt (NaOH)
- E- Coliform/Ecoli/HPC
- F- Sulfide Qt (Zn Acetate)
- L- Mercury 1631
- M- Metals Pint (HNO3)
- N- Nutrient Pint (H2SO4)
- R- Radiological (HNO3)
- S- Sludge Cups/Tubs
- Q- Plastic Bag

**Glass Containers**

- D- 625 (Na2SO3)
- G- Glass Unpreserved
- H- HAAs (NH4Cl)
- J- 508/515/525 (Na2SO3)
- K- 515.3 Herbicides
- O- Oil & Grease (HCl)
- P- Phenols (H2SO4)
- T- TOC/TOX (H3PO4)
- U- 531 (MCAA, Na2SO3)
- V- 524/THMs (Ascorbic Acid)
- W- 8260 VOC (1:1 HCl)
- X- Vial Unpreserved
- Y- 624/504 (Na2SO3)
- Z- Miscellaneous Glass