

## Entrada Consulting Group

Sample Delivery Group: L1533775  
Samples Received: 09/08/2022  
Project Number: 017-013  
Description: HCWTF  
Site: HCWTF  
Report To: Matt Kasten  
330 Grand Avenue  
Suite C  
Grand Junction, CO 81501

Entire Report Reviewed By:



Chris Ward  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 [www.pacenational.com](http://www.pacenational.com)

# TABLE OF CONTENTS

|  |    |
|--|----|
| Cp: Cover Page                                     | 1  |
| Tc: Table of Contents                              | 2  |
| Ss: Sample Summary                                 | 3  |
| Cn: Case Narrative                                 | 5  |
| Sr: Sample Results                                 | 6  |
| MW1 L1533775-01                                    | 6  |
| MW3 L1533775-02                                    | 7  |
| MW5 L1533775-03                                    | 8  |
| MW6 L1533775-04                                    | 9  |
| MW7 L1533775-05                                    | 10 |
| MW8 L1533775-06                                    | 11 |
| MW9 L1533775-07                                    | 12 |
| MW10 L1533775-08                                   | 13 |
| MW11 L1533775-09                                   | 14 |
| MW12 L1533775-10                                   | 15 |
| SPS L1533775-11                                    | 16 |
| P4S L1533775-12                                    | 17 |
| Qc: Quality Control Summary                        | 18 |
| Gravimetric Analysis by Method 2540 C-2011         | 18 |
| Wet Chemistry by Method 9056A                      | 20 |
| Volatile Organic Compounds (GC/MS) by Method 8260B | 24 |
| Gl: Glossary of Terms                              | 29 |
| Al: Accreditations & Locations                     | 30 |
| Sc: Sample Chain of Custody                        | 31 |

|                 |
|-----------------|
| <sup>1</sup> Cp |
| <sup>2</sup> Tc |
| <sup>3</sup> Ss |
| <sup>4</sup> Cn |
| <sup>5</sup> Sr |
| <sup>6</sup> Qc |
| <sup>7</sup> Gl |
| <sup>8</sup> Al |
| <sup>9</sup> Sc |

# SAMPLE SUMMARY

## MW1 L1533775-01 GW

|  |           |          |                          | Collected by<br>CM/BA | Collected date/time<br>09/07/22 11:40 | Received date/time<br>09/08/22 09:00 |
|--|-----------|----------|--------------------------|-----------------------|---------------------------------------|--------------------------------------|
| Method   | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analyst                               | Location                             |
| Gravimetric Analysis by Method 2540 C-2011         | WG1926246 | 1        | 09/14/22 14:55           | 09/14/22 16:52        | SLP                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1923676 | 1        | 09/12/22 08:14           | 09/12/22 08:14        | LBR                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1924242 | 1        | 09/11/22 15:57           | 09/11/22 15:57        | JAH                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1928546 | 1        | 09/19/22 16:00           | 09/19/22 16:00        | ACG                                   | Mt. Juliet, TN                       |

## MW3 L1533775-02 GW

|  |           |          |                          | Collected by<br>CM/BA | Collected date/time<br>09/07/22 12:00 | Received date/time<br>09/08/22 09:00 |
|--|-----------|----------|--------------------------|-----------------------|---------------------------------------|--------------------------------------|
| Method   | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analyst                               | Location                             |
| Gravimetric Analysis by Method 2540 C-2011         | WG1926246 | 1        | 09/14/22 14:55           | 09/14/22 16:52        | SLP                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1923676 | 1        | 09/12/22 08:32           | 09/12/22 08:32        | LBR                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1924242 | 1        | 09/11/22 16:17           | 09/11/22 16:17        | JAH                                   | Mt. Juliet, TN                       |

## MW5 L1533775-03 GW

|  |           |          |                          | Collected by<br>CM/BA | Collected date/time<br>09/07/22 10:20 | Received date/time<br>09/08/22 09:00 |
|--|-----------|----------|--------------------------|-----------------------|---------------------------------------|--------------------------------------|
| Method   | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analyst                               | Location                             |
| Gravimetric Analysis by Method 2540 C-2011         | WG1926005 | 1        | 09/14/22 11:04           | 09/14/22 12:03        | MMF                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1923676 | 1        | 09/12/22 08:50           | 09/12/22 08:50        | LBR                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1928546 | 1        | 09/19/22 16:19           | 09/19/22 16:19        | ACG                                   | Mt. Juliet, TN                       |

## MW6 L1533775-04 GW

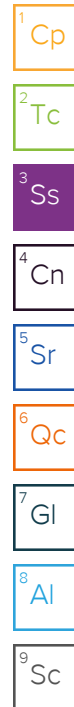
|  |           |          |                          | Collected by<br>CM/BA | Collected date/time<br>09/07/22 09:00 | Received date/time<br>09/08/22 09:00 |
|--|-----------|----------|--------------------------|-----------------------|---------------------------------------|--------------------------------------|
| Method   | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analyst                               | Location                             |
| Gravimetric Analysis by Method 2540 C-2011         | WG1926005 | 1        | 09/14/22 11:04           | 09/14/22 12:03        | MMF                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1923676 | 1        | 09/12/22 10:02           | 09/12/22 10:02        | LBR                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1924242 | 1        | 09/11/22 16:36           | 09/11/22 16:36        | JAH                                   | Mt. Juliet, TN                       |

## MW7 L1533775-05 GW

|  |           |          |                          | Collected by<br>CM/BA | Collected date/time<br>09/07/22 09:20 | Received date/time<br>09/08/22 09:00 |
|--|-----------|----------|--------------------------|-----------------------|---------------------------------------|--------------------------------------|
| Method   | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analyst                               | Location                             |
| Gravimetric Analysis by Method 2540 C-2011         | WG1926246 | 1        | 09/14/22 14:55           | 09/14/22 16:52        | SLP                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1923683 | 5        | 09/11/22 00:10           | 09/11/22 00:10        | LBR                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1924242 | 1        | 09/11/22 16:56           | 09/11/22 16:56        | JAH                                   | Mt. Juliet, TN                       |

## MW8 L1533775-06 GW

|  |           |          |                          | Collected by<br>CM/BA | Collected date/time<br>09/07/22 09:40 | Received date/time<br>09/08/22 09:00 |
|--|-----------|----------|--------------------------|-----------------------|---------------------------------------|--------------------------------------|
| Method   | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analyst                               | Location                             |
| Gravimetric Analysis by Method 2540 C-2011         | WG1926005 | 1        | 09/14/22 11:04           | 09/14/22 12:03        | MMF                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1923683 | 5        | 09/11/22 01:13           | 09/11/22 01:13        | LBR                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1925793 | 1        | 09/14/22 04:28           | 09/14/22 04:28        | GEB                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1924242 | 1        | 09/11/22 17:16           | 09/11/22 17:16        | JAH                                   | Mt. Juliet, TN                       |



# SAMPLE SUMMARY

## MW9 L1533775-07 GW

|  |           |          |                          | Collected by<br>CM/BA | Collected date/time<br>09/07/22 10:00 | Received date/time<br>09/08/22 09:00 |
|--|-----------|----------|--------------------------|-----------------------|---------------------------------------|--------------------------------------|
| Method   | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analyst                               | Location                             |
| Gravimetric Analysis by Method 2540 C-2011         | WG1926005 | 1        | 09/14/22 11:04           | 09/14/22 12:03        | MMF                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1923683 | 1        | 09/11/22 01:45           | 09/11/22 01:45        | LBR                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1928546 | 1        | 09/19/22 16:38           | 09/19/22 16:38        | ACG                                   | Mt. Juliet, TN                       |

## MW10 L1533775-08 GW

|  |           |          |                          | Collected by<br>CM/BA | Collected date/time<br>09/07/22 12:20 | Received date/time<br>09/08/22 09:00 |
|--|-----------|----------|--------------------------|-----------------------|---------------------------------------|--------------------------------------|
| Method   | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analyst                               | Location                             |
| Gravimetric Analysis by Method 2540 C-2011         | WG1926005 | 1        | 09/14/22 11:04           | 09/14/22 12:03        | MMF                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1923683 | 1        | 09/11/22 02:17           | 09/11/22 02:17        | LBR                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1924242 | 1        | 09/11/22 17:36           | 09/11/22 17:36        | JAH                                   | Mt. Juliet, TN                       |

## MW11 L1533775-09 GW

|  |           |          |                          | Collected by<br>CM/BA | Collected date/time<br>09/07/22 08:40 | Received date/time<br>09/08/22 09:00 |
|--|-----------|----------|--------------------------|-----------------------|---------------------------------------|--------------------------------------|
| Method   | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analyst                               | Location                             |
| Gravimetric Analysis by Method 2540 C-2011         | WG1926005 | 1        | 09/14/22 11:04           | 09/14/22 12:03        | MMF                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1923683 | 5        | 09/11/22 02:49           | 09/11/22 02:49        | LBR                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1925793 | 1        | 09/14/22 04:42           | 09/14/22 04:42        | GEB                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1924432 | 1        | 09/11/22 15:59           | 09/11/22 15:59        | JAH                                   | Mt. Juliet, TN                       |

## MW12 L1533775-10 GW

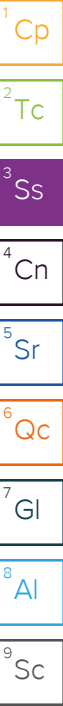
|  |           |          |                          | Collected by<br>CM/BA | Collected date/time<br>09/07/22 10:40 | Received date/time<br>09/08/22 09:00 |
|--|-----------|----------|--------------------------|-----------------------|---------------------------------------|--------------------------------------|
| Method   | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analyst                               | Location                             |
| Gravimetric Analysis by Method 2540 C-2011         | WG1926005 | 1        | 09/14/22 11:04           | 09/14/22 12:03        | MMF                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1923683 | 5        | 09/11/22 03:21           | 09/11/22 03:21        | LBR                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1925793 | 1        | 09/14/22 05:22           | 09/14/22 05:22        | GEB                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1926509 | 1        | 09/15/22 01:34           | 09/15/22 01:34        | JAH                                   | Mt. Juliet, TN                       |

## SPS L1533775-11 GW

|  |           |          |                          | Collected by<br>CM/BA | Collected date/time<br>09/07/22 12:40 | Received date/time<br>09/08/22 09:00 |
|--|-----------|----------|--------------------------|-----------------------|---------------------------------------|--------------------------------------|
| Method   | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analyst                               | Location                             |
| Gravimetric Analysis by Method 2540 C-2011         | WG1926005 | 1        | 09/14/22 11:04           | 09/14/22 12:03        | MMF                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1923683 | 1        | 09/11/22 04:24           | 09/11/22 04:24        | LBR                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1926509 | 1        | 09/15/22 01:56           | 09/15/22 01:56        | JAH                                   | Mt. Juliet, TN                       |

## P4S L1533775-12 GW

|  |           |          |                          | Collected by<br>CM/BA | Collected date/time<br>09/07/22 11:20 | Received date/time<br>09/08/22 09:00 |
|--|-----------|----------|--------------------------|-----------------------|---------------------------------------|--------------------------------------|
| Method   | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analyst                               | Location                             |
| Gravimetric Analysis by Method 2540 C-2011         | WG1926005 | 1        | 09/14/22 11:04           | 09/14/22 12:03        | MMF                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1923683 | 1        | 09/11/22 04:56           | 09/11/22 04:56        | LBR                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1926509 | 1        | 09/15/22 02:18           | 09/15/22 02:18        | JAH                                   | Mt. Juliet, TN                       |



# CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris Ward  
Project Manager



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result<br>mg/l | Qualifier | RDL<br>mg/l | Dilution | Analysis<br>date / time | Batch                     |
|------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Dissolved Solids | 507            |           | 10.0        | 1        | 09/14/2022 16:52        | <a href="#">WG1926246</a> |

## Wet Chemistry by Method 9056A

| Analyte  | Result<br>mg/l | Qualifier | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | Batch                     |
|----------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Chloride | 43.2           |           | 0.379       | 1.00        | 1        | 09/12/2022 08:14        | <a href="#">WG1923676</a> |
| Sulfate  | 18.3           |           | 0.594       | 5.00        | 1        | 09/12/2022 08:14        | <a href="#">WG1923676</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                   | Result<br>mg/l | Qualifier          | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | Batch                     |
|---------------------------|----------------|--------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Benzene                   | U              |                    | 0.0000941   | 0.00100     | 1        | 09/11/2022 15:57        | <a href="#">WG1924242</a> |
| Toluene                   | U              |                    | 0.000278    | 0.00100     | 1        | 09/11/2022 15:57        | <a href="#">WG1924242</a> |
| Ethylbenzene              | U              |                    | 0.000137    | 0.00100     | 1        | 09/11/2022 15:57        | <a href="#">WG1924242</a> |
| Xylenes, Total            | U              |                    | 0.000174    | 0.00300     | 1        | 09/11/2022 15:57        | <a href="#">WG1924242</a> |
| Naphthalene               | U              |                    | 0.00100     | 0.00500     | 1        | 09/11/2022 15:57        | <a href="#">WG1924242</a> |
| 1,2,4-Trimethylbenzene    | U              |                    | 0.000322    | 0.00100     | 1        | 09/19/2022 16:00        | <a href="#">WG1928546</a> |
| 1,3,5-Trimethylbenzene    | U              |                    | 0.000104    | 0.00100     | 1        | 09/19/2022 16:00        | <a href="#">WG1928546</a> |
| (S) Toluene-d8            | 121            | <a href="#">J1</a> |             | 80.0-120    |          | 09/11/2022 15:57        | <a href="#">WG1924242</a> |
| (S) Toluene-d8            | 112            |                    |             | 80.0-120    |          | 09/19/2022 16:00        | <a href="#">WG1928546</a> |
| (S) 4-Bromofluorobenzene  | 102            |                    |             | 77.0-126    |          | 09/11/2022 15:57        | <a href="#">WG1924242</a> |
| (S) 4-Bromofluorobenzene  | 99.0           |                    |             | 77.0-126    |          | 09/19/2022 16:00        | <a href="#">WG1928546</a> |
| (S) 1,2-Dichloroethane-d4 | 94.8           |                    |             | 70.0-130    |          | 09/11/2022 15:57        | <a href="#">WG1924242</a> |
| (S) 1,2-Dichloroethane-d4 | 108            |                    |             | 70.0-130    |          | 09/19/2022 16:00        | <a href="#">WG1928546</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result<br>mg/l | <u>Qualifier</u> | RDL<br>mg/l | Dilution | Analysis<br>date / time | <u>Batch</u>              |
|------------------|----------------|------------------|-------------|----------|-------------------------|---------------------------|
| Dissolved Solids | 656            |                  | 13.3        | 1        | 09/14/2022 16:52        | <a href="#">WG1926246</a> |

## Wet Chemistry by Method 9056A

| Analyte  | Result<br>mg/l | <u>Qualifier</u> | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | <u>Batch</u>              |
|----------|----------------|------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Chloride | 34.2           |                  | 0.379       | 1.00        | 1        | 09/12/2022 08:32        | <a href="#">WG1923676</a> |
| Sulfate  | 89.0           |                  | 0.594       | 5.00        | 1        | 09/12/2022 08:32        | <a href="#">WG1923676</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                   | Result<br>mg/l | <u>Qualifier</u> | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | <u>Batch</u>              |
|---------------------------|----------------|------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Benzene                   | U              |                  | 0.0000941   | 0.00100     | 1        | 09/11/2022 16:17        | <a href="#">WG1924242</a> |
| Toluene                   | U              |                  | 0.000278    | 0.00100     | 1        | 09/11/2022 16:17        | <a href="#">WG1924242</a> |
| Ethylbenzene              | U              |                  | 0.000137    | 0.00100     | 1        | 09/11/2022 16:17        | <a href="#">WG1924242</a> |
| Xylenes, Total            | U              |                  | 0.000174    | 0.00300     | 1        | 09/11/2022 16:17        | <a href="#">WG1924242</a> |
| Naphthalene               | U              |                  | 0.00100     | 0.00500     | 1        | 09/11/2022 16:17        | <a href="#">WG1924242</a> |
| 1,2,4-Trimethylbenzene    | U              |                  | 0.000322    | 0.00100     | 1        | 09/11/2022 16:17        | <a href="#">WG1924242</a> |
| 1,3,5-Trimethylbenzene    | U              |                  | 0.000104    | 0.00100     | 1        | 09/11/2022 16:17        | <a href="#">WG1924242</a> |
| (S) Toluene-d8            | 118            |                  |             | 80.0-120    |          | 09/11/2022 16:17        | <a href="#">WG1924242</a> |
| (S) 4-Bromofluorobenzene  | 100            |                  |             | 77.0-126    |          | 09/11/2022 16:17        | <a href="#">WG1924242</a> |
| (S) 1,2-Dichloroethane-d4 | 94.9           |                  |             | 70.0-130    |          | 09/11/2022 16:17        | <a href="#">WG1924242</a> |

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result<br>mg/l | Qualifier | RDL<br>mg/l | Dilution | Analysis<br>date / time | Batch                     |
|------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Dissolved Solids | 282            |           | 10.0        | 1        | 09/14/2022 12:03        | <a href="#">WG1926005</a> |

## Wet Chemistry by Method 9056A

| Analyte  | Result<br>mg/l | Qualifier | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | Batch                     |
|----------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Chloride | 8.28           |           | 0.379       | 1.00        | 1        | 09/12/2022 08:50        | <a href="#">WG1923676</a> |
| Sulfate  | 15.9           |           | 0.594       | 5.00        | 1        | 09/12/2022 08:50        | <a href="#">WG1923676</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                   | Result<br>mg/l | Qualifier          | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | Batch                     |
|---------------------------|----------------|--------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Benzene                   | U              |                    | 0.0000941   | 0.00100     | 1        | 09/19/2022 16:19        | <a href="#">WG1928546</a> |
| Toluene                   | U              |                    | 0.000278    | 0.00100     | 1        | 09/19/2022 16:19        | <a href="#">WG1928546</a> |
| Ethylbenzene              | U              |                    | 0.000137    | 0.00100     | 1        | 09/19/2022 16:19        | <a href="#">WG1928546</a> |
| Xylenes, Total            | U              |                    | 0.000174    | 0.00300     | 1        | 09/19/2022 16:19        | <a href="#">WG1928546</a> |
| Naphthalene               | U              | <a href="#">J3</a> | 0.00100     | 0.00500     | 1        | 09/19/2022 16:19        | <a href="#">WG1928546</a> |
| 1,2,4-Trimethylbenzene    | U              |                    | 0.000322    | 0.00100     | 1        | 09/19/2022 16:19        | <a href="#">WG1928546</a> |
| 1,3,5-Trimethylbenzene    | U              |                    | 0.000104    | 0.00100     | 1        | 09/19/2022 16:19        | <a href="#">WG1928546</a> |
| (S) Toluene-d8            | 114            |                    |             | 80.0-120    |          | 09/19/2022 16:19        | <a href="#">WG1928546</a> |
| (S) 4-Bromofluorobenzene  | 103            |                    |             | 77.0-126    |          | 09/19/2022 16:19        | <a href="#">WG1928546</a> |
| (S) 1,2-Dichloroethane-d4 | 108            |                    |             | 70.0-130    |          | 09/19/2022 16:19        | <a href="#">WG1928546</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result<br>mg/l | <u>Qualifier</u> | RDL<br>mg/l | Dilution | Analysis<br>date / time | <u>Batch</u>              |
|------------------|----------------|------------------|-------------|----------|-------------------------|---------------------------|
| Dissolved Solids | 1040           |                  | 13.3        | 1        | 09/14/2022 12:03        | <a href="#">WG1926005</a> |

## Wet Chemistry by Method 9056A

| Analyte  | Result<br>mg/l | <u>Qualifier</u> | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | <u>Batch</u>              |
|----------|----------------|------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Chloride | 153            |                  | 0.379       | 1.00        | 1        | 09/12/2022 10:02        | <a href="#">WG1923676</a> |
| Sulfate  | 31.5           |                  | 0.594       | 5.00        | 1        | 09/12/2022 10:02        | <a href="#">WG1923676</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                   | Result<br>mg/l | <u>Qualifier</u> | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | <u>Batch</u>              |
|---------------------------|----------------|------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Benzene                   | U              |                  | 0.0000941   | 0.00100     | 1        | 09/11/2022 16:36        | <a href="#">WG1924242</a> |
| Toluene                   | U              |                  | 0.000278    | 0.00100     | 1        | 09/11/2022 16:36        | <a href="#">WG1924242</a> |
| Ethylbenzene              | U              |                  | 0.000137    | 0.00100     | 1        | 09/11/2022 16:36        | <a href="#">WG1924242</a> |
| Xylenes, Total            | U              |                  | 0.000174    | 0.00300     | 1        | 09/11/2022 16:36        | <a href="#">WG1924242</a> |
| Naphthalene               | U              |                  | 0.00100     | 0.00500     | 1        | 09/11/2022 16:36        | <a href="#">WG1924242</a> |
| 1,2,4-Trimethylbenzene    | U              |                  | 0.000322    | 0.00100     | 1        | 09/11/2022 16:36        | <a href="#">WG1924242</a> |
| 1,3,5-Trimethylbenzene    | U              |                  | 0.000104    | 0.00100     | 1        | 09/11/2022 16:36        | <a href="#">WG1924242</a> |
| (S) Toluene-d8            | 116            |                  |             | 80.0-120    |          | 09/11/2022 16:36        | <a href="#">WG1924242</a> |
| (S) 4-Bromofluorobenzene  | 99.4           |                  |             | 77.0-126    |          | 09/11/2022 16:36        | <a href="#">WG1924242</a> |
| (S) 1,2-Dichloroethane-d4 | 96.7           |                  |             | 70.0-130    |          | 09/11/2022 16:36        | <a href="#">WG1924242</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result<br>mg/l | <u>Qualifier</u> | RDL<br>mg/l | Dilution | Analysis<br>date / time | <u>Batch</u>              |
|------------------|----------------|------------------|-------------|----------|-------------------------|---------------------------|
| Dissolved Solids | 1080           |                  | 20.0        | 1        | 09/14/2022 16:52        | <a href="#">WG1926246</a> |

## Wet Chemistry by Method 9056A

| Analyte  | Result<br>mg/l | <u>Qualifier</u> | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | <u>Batch</u>              |
|----------|----------------|------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Chloride | 396            |                  | 1.90        | 5.00        | 5        | 09/11/2022 00:10        | <a href="#">WG1923683</a> |
| Sulfate  | 30.2           |                  | 2.97        | 25.0        | 5        | 09/11/2022 00:10        | <a href="#">WG1923683</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                   | Result<br>mg/l | <u>Qualifier</u> | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | <u>Batch</u>              |
|---------------------------|----------------|------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Benzene                   | U              |                  | 0.0000941   | 0.00100     | 1        | 09/11/2022 16:56        | <a href="#">WG1924242</a> |
| Toluene                   | U              |                  | 0.000278    | 0.00100     | 1        | 09/11/2022 16:56        | <a href="#">WG1924242</a> |
| Ethylbenzene              | U              |                  | 0.000137    | 0.00100     | 1        | 09/11/2022 16:56        | <a href="#">WG1924242</a> |
| Xylenes, Total            | U              |                  | 0.000174    | 0.00300     | 1        | 09/11/2022 16:56        | <a href="#">WG1924242</a> |
| Naphthalene               | U              |                  | 0.00100     | 0.00500     | 1        | 09/11/2022 16:56        | <a href="#">WG1924242</a> |
| 1,2,4-Trimethylbenzene    | U              |                  | 0.000322    | 0.00100     | 1        | 09/11/2022 16:56        | <a href="#">WG1924242</a> |
| 1,3,5-Trimethylbenzene    | U              |                  | 0.000104    | 0.00100     | 1        | 09/11/2022 16:56        | <a href="#">WG1924242</a> |
| (S) Toluene-d8            | 112            |                  |             | 80.0-120    |          | 09/11/2022 16:56        | <a href="#">WG1924242</a> |
| (S) 4-Bromofluorobenzene  | 95.6           |                  |             | 77.0-126    |          | 09/11/2022 16:56        | <a href="#">WG1924242</a> |
| (S) 1,2-Dichloroethane-d4 | 91.9           |                  |             | 70.0-130    |          | 09/11/2022 16:56        | <a href="#">WG1924242</a> |

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result<br>mg/l | Qualifier | RDL<br>mg/l | Dilution | Analysis<br>date / time | Batch                     |
|------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Dissolved Solids | 437            |           | 10.0        | 1        | 09/14/2022 12:03        | <a href="#">WG1926005</a> |

## Wet Chemistry by Method 9056A

| Analyte  | Result<br>mg/l | Qualifier | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | Batch                     |
|----------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Chloride | 10.8           |           | 1.90        | 5.00        | 5        | 09/11/2022 01:13        | <a href="#">WG1923683</a> |
| Sulfate  | 29.6           |           | 0.594       | 5.00        | 1        | 09/14/2022 04:28        | <a href="#">WG1925793</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                   | Result<br>mg/l | Qualifier          | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | Batch                     |
|---------------------------|----------------|--------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Benzene                   | U              |                    | 0.0000941   | 0.00100     | 1        | 09/11/2022 17:16        | <a href="#">WG1924242</a> |
| Toluene                   | U              |                    | 0.000278    | 0.00100     | 1        | 09/11/2022 17:16        | <a href="#">WG1924242</a> |
| Ethylbenzene              | U              |                    | 0.000137    | 0.00100     | 1        | 09/11/2022 17:16        | <a href="#">WG1924242</a> |
| Xylenes, Total            | U              |                    | 0.000174    | 0.00300     | 1        | 09/11/2022 17:16        | <a href="#">WG1924242</a> |
| Naphthalene               | U              |                    | 0.00100     | 0.00500     | 1        | 09/11/2022 17:16        | <a href="#">WG1924242</a> |
| 1,2,4-Trimethylbenzene    | U              |                    | 0.000322    | 0.00100     | 1        | 09/11/2022 17:16        | <a href="#">WG1924242</a> |
| 1,3,5-Trimethylbenzene    | U              |                    | 0.000104    | 0.00100     | 1        | 09/11/2022 17:16        | <a href="#">WG1924242</a> |
| (S) Toluene-d8            | 122            | <a href="#">J1</a> |             | 80.0-120    |          | 09/11/2022 17:16        | <a href="#">WG1924242</a> |
| (S) 4-Bromofluorobenzene  | 101            |                    |             | 77.0-126    |          | 09/11/2022 17:16        | <a href="#">WG1924242</a> |
| (S) 1,2-Dichloroethane-d4 | 93.1           |                    |             | 70.0-130    |          | 09/11/2022 17:16        | <a href="#">WG1924242</a> |

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result<br>mg/l | Qualifier | RDL<br>mg/l | Dilution | Analysis<br>date / time | Batch                     |
|------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Dissolved Solids | 283            |           | 10.0        | 1        | 09/14/2022 12:03        | <a href="#">WG1926005</a> |

## Wet Chemistry by Method 9056A

| Analyte  | Result<br>mg/l | Qualifier | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | Batch                     |
|----------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Chloride | 3.13           |           | 0.379       | 1.00        | 1        | 09/11/2022 01:45        | <a href="#">WG1923683</a> |
| Sulfate  | 23.8           |           | 0.594       | 5.00        | 1        | 09/11/2022 01:45        | <a href="#">WG1923683</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                   | Result<br>mg/l | Qualifier          | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | Batch                     |
|---------------------------|----------------|--------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Benzene                   | U              |                    | 0.0000941   | 0.00100     | 1        | 09/19/2022 16:38        | <a href="#">WG1928546</a> |
| Toluene                   | U              |                    | 0.000278    | 0.00100     | 1        | 09/19/2022 16:38        | <a href="#">WG1928546</a> |
| Ethylbenzene              | U              |                    | 0.000137    | 0.00100     | 1        | 09/19/2022 16:38        | <a href="#">WG1928546</a> |
| Xylenes, Total            | U              |                    | 0.000174    | 0.00300     | 1        | 09/19/2022 16:38        | <a href="#">WG1928546</a> |
| Naphthalene               | U              | <a href="#">J3</a> | 0.00100     | 0.00500     | 1        | 09/19/2022 16:38        | <a href="#">WG1928546</a> |
| 1,2,4-Trimethylbenzene    | U              |                    | 0.000322    | 0.00100     | 1        | 09/19/2022 16:38        | <a href="#">WG1928546</a> |
| 1,3,5-Trimethylbenzene    | U              |                    | 0.000104    | 0.00100     | 1        | 09/19/2022 16:38        | <a href="#">WG1928546</a> |
| (S) Toluene-d8            | 114            |                    |             | 80.0-120    |          | 09/19/2022 16:38        | <a href="#">WG1928546</a> |
| (S) 4-Bromofluorobenzene  | 103            |                    |             | 77.0-126    |          | 09/19/2022 16:38        | <a href="#">WG1928546</a> |
| (S) 1,2-Dichloroethane-d4 | 107            |                    |             | 70.0-130    |          | 09/19/2022 16:38        | <a href="#">WG1928546</a> |

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result<br>mg/l | <u>Qualifier</u> | RDL<br>mg/l | Dilution | Analysis<br>date / time | <u>Batch</u>              |
|------------------|----------------|------------------|-------------|----------|-------------------------|---------------------------|
| Dissolved Solids | 424            |                  | 10.0        | 1        | 09/14/2022 12:03        | <a href="#">WG1926005</a> |

## Wet Chemistry by Method 9056A

| Analyte  | Result<br>mg/l | <u>Qualifier</u> | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | <u>Batch</u>              |
|----------|----------------|------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Chloride | 17.9           |                  | 0.379       | 1.00        | 1        | 09/11/2022 02:17        | <a href="#">WG1923683</a> |
| Sulfate  | 22.6           |                  | 0.594       | 5.00        | 1        | 09/11/2022 02:17        | <a href="#">WG1923683</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                   | Result<br>mg/l | <u>Qualifier</u> | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | <u>Batch</u>              |
|---------------------------|----------------|------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Benzene                   | U              |                  | 0.0000941   | 0.00100     | 1        | 09/11/2022 17:36        | <a href="#">WG1924242</a> |
| Toluene                   | U              |                  | 0.000278    | 0.00100     | 1        | 09/11/2022 17:36        | <a href="#">WG1924242</a> |
| Ethylbenzene              | U              |                  | 0.000137    | 0.00100     | 1        | 09/11/2022 17:36        | <a href="#">WG1924242</a> |
| Xylenes, Total            | U              |                  | 0.000174    | 0.00300     | 1        | 09/11/2022 17:36        | <a href="#">WG1924242</a> |
| Naphthalene               | U              |                  | 0.00100     | 0.00500     | 1        | 09/11/2022 17:36        | <a href="#">WG1924242</a> |
| 1,2,4-Trimethylbenzene    | U              |                  | 0.000322    | 0.00100     | 1        | 09/11/2022 17:36        | <a href="#">WG1924242</a> |
| 1,3,5-Trimethylbenzene    | U              |                  | 0.000104    | 0.00100     | 1        | 09/11/2022 17:36        | <a href="#">WG1924242</a> |
| (S) Toluene-d8            | 115            |                  |             | 80.0-120    |          | 09/11/2022 17:36        | <a href="#">WG1924242</a> |
| (S) 4-Bromofluorobenzene  | 96.1           |                  |             | 77.0-126    |          | 09/11/2022 17:36        | <a href="#">WG1924242</a> |
| (S) 1,2-Dichloroethane-d4 | 86.4           |                  |             | 70.0-130    |          | 09/11/2022 17:36        | <a href="#">WG1924242</a> |

<sup>1</sup>Cp<sup>2</sup>Tc<sup>3</sup>Ss<sup>4</sup>Cn<sup>5</sup>Sr<sup>6</sup>Qc<sup>7</sup>Gl<sup>8</sup>Al<sup>9</sup>Sc

## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result | Qualifier | RDL  | Dilution | Analysis         | Batch                     |
|------------------|--------|-----------|------|----------|------------------|---------------------------|
|                  | mg/l   |           | mg/l |          | date / time      |                           |
| Dissolved Solids | 443    |           | 10.0 | 1        | 09/14/2022 12:03 | <a href="#">WG1926005</a> |

## Wet Chemistry by Method 9056A

| Analyte  | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                     |
|----------|--------|-----------|-------|------|----------|------------------|---------------------------|
|          | mg/l   |           | mg/l  | mg/l |          | date / time      |                           |
| Chloride | 17.7   |           | 1.90  | 5.00 | 5        | 09/11/2022 02:49 | <a href="#">WG1923683</a> |
| Sulfate  | 25.2   |           | 0.594 | 5.00 | 1        | 09/14/2022 04:42 | <a href="#">WG1925793</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                   | Result | Qualifier | MDL       | RDL      | Dilution | Analysis         | Batch                     |
|---------------------------|--------|-----------|-----------|----------|----------|------------------|---------------------------|
|                           | mg/l   |           | mg/l      | mg/l     |          | date / time      |                           |
| Benzene                   | U      |           | 0.0000941 | 0.00100  | 1        | 09/11/2022 15:59 | <a href="#">WG1924432</a> |
| Toluene                   | U      |           | 0.000278  | 0.00100  | 1        | 09/11/2022 15:59 | <a href="#">WG1924432</a> |
| Ethylbenzene              | U      |           | 0.000137  | 0.00100  | 1        | 09/11/2022 15:59 | <a href="#">WG1924432</a> |
| Xylenes, Total            | U      |           | 0.000174  | 0.00300  | 1        | 09/11/2022 15:59 | <a href="#">WG1924432</a> |
| Naphthalene               | U      |           | 0.00100   | 0.00500  | 1        | 09/11/2022 15:59 | <a href="#">WG1924432</a> |
| 1,2,4-Trimethylbenzene    | U      |           | 0.000322  | 0.00100  | 1        | 09/11/2022 15:59 | <a href="#">WG1924432</a> |
| 1,3,5-Trimethylbenzene    | U      |           | 0.000104  | 0.00100  | 1        | 09/11/2022 15:59 | <a href="#">WG1924432</a> |
| (S) Toluene-d8            | 112    |           |           | 80.0-120 |          | 09/11/2022 15:59 | <a href="#">WG1924432</a> |
| (S) 4-Bromofluorobenzene  | 114    |           |           | 77.0-126 |          | 09/11/2022 15:59 | <a href="#">WG1924432</a> |
| (S) 1,2-Dichloroethane-d4 | 123    |           |           | 70.0-130 |          | 09/11/2022 15:59 | <a href="#">WG1924432</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result<br>mg/l | Qualifier | RDL<br>mg/l | Dilution | Analysis<br>date / time | Batch                     |
|------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Dissolved Solids | 411            |           | 10.0        | 1        | 09/14/2022 12:03        | <a href="#">WG1926005</a> |

## Wet Chemistry by Method 9056A

| Analyte  | Result<br>mg/l | Qualifier | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | Batch                     |
|----------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Chloride | 23.3           |           | 1.90        | 5.00        | 5        | 09/11/2022 03:21        | <a href="#">WG1923683</a> |
| Sulfate  | 20.1           |           | 0.594       | 5.00        | 1        | 09/14/2022 05:22        | <a href="#">WG1925793</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                   | Result<br>mg/l | Qualifier | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | Batch                     |
|---------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Benzene                   | U              |           | 0.0000941   | 0.00100     | 1        | 09/15/2022 01:34        | <a href="#">WG1926509</a> |
| Toluene                   | U              |           | 0.000278    | 0.00100     | 1        | 09/15/2022 01:34        | <a href="#">WG1926509</a> |
| Ethylbenzene              | U              |           | 0.000137    | 0.00100     | 1        | 09/15/2022 01:34        | <a href="#">WG1926509</a> |
| Xylenes, Total            | U              |           | 0.000174    | 0.00300     | 1        | 09/15/2022 01:34        | <a href="#">WG1926509</a> |
| Naphthalene               | U              |           | 0.00100     | 0.00500     | 1        | 09/15/2022 01:34        | <a href="#">WG1926509</a> |
| 1,2,4-Trimethylbenzene    | U              |           | 0.000322    | 0.00100     | 1        | 09/15/2022 01:34        | <a href="#">WG1926509</a> |
| 1,3,5-Trimethylbenzene    | U              |           | 0.000104    | 0.00100     | 1        | 09/15/2022 01:34        | <a href="#">WG1926509</a> |
| (S) Toluene-d8            | 114            |           |             | 80.0-120    |          | 09/15/2022 01:34        | <a href="#">WG1926509</a> |
| (S) 4-Bromofluorobenzene  | 103            |           |             | 77.0-126    |          | 09/15/2022 01:34        | <a href="#">WG1926509</a> |
| (S) 1,2-Dichloroethane-d4 | 107            |           |             | 70.0-130    |          | 09/15/2022 01:34        | <a href="#">WG1926509</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result<br>mg/l | <u>Qualifier</u> | RDL<br>mg/l | Dilution | Analysis<br>date / time | <u>Batch</u>              |
|------------------|----------------|------------------|-------------|----------|-------------------------|---------------------------|
| Dissolved Solids | 383            |                  | 10.0        | 1        | 09/14/2022 12:03        | <a href="#">WG1926005</a> |

## Wet Chemistry by Method 9056A

| Analyte  | Result<br>mg/l | <u>Qualifier</u> | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | <u>Batch</u>              |
|----------|----------------|------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Chloride | 19.8           |                  | 0.379       | 1.00        | 1        | 09/11/2022 04:24        | <a href="#">WG1923683</a> |
| Sulfate  | 15.3           |                  | 0.594       | 5.00        | 1        | 09/11/2022 04:24        | <a href="#">WG1923683</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                   | Result<br>mg/l | <u>Qualifier</u> | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | <u>Batch</u>              |
|---------------------------|----------------|------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Benzene                   | U              |                  | 0.0000941   | 0.00100     | 1        | 09/15/2022 01:56        | <a href="#">WG1926509</a> |
| Toluene                   | U              |                  | 0.000278    | 0.00100     | 1        | 09/15/2022 01:56        | <a href="#">WG1926509</a> |
| Ethylbenzene              | U              |                  | 0.000137    | 0.00100     | 1        | 09/15/2022 01:56        | <a href="#">WG1926509</a> |
| Xylenes, Total            | U              |                  | 0.000174    | 0.00300     | 1        | 09/15/2022 01:56        | <a href="#">WG1926509</a> |
| Naphthalene               | U              |                  | 0.00100     | 0.00500     | 1        | 09/15/2022 01:56        | <a href="#">WG1926509</a> |
| 1,2,4-Trimethylbenzene    | U              |                  | 0.000322    | 0.00100     | 1        | 09/15/2022 01:56        | <a href="#">WG1926509</a> |
| 1,3,5-Trimethylbenzene    | U              |                  | 0.000104    | 0.00100     | 1        | 09/15/2022 01:56        | <a href="#">WG1926509</a> |
| (S) Toluene-d8            | 115            |                  |             | 80.0-120    |          | 09/15/2022 01:56        | <a href="#">WG1926509</a> |
| (S) 4-Bromofluorobenzene  | 100            |                  |             | 77.0-126    |          | 09/15/2022 01:56        | <a href="#">WG1926509</a> |
| (S) 1,2-Dichloroethane-d4 | 104            |                  |             | 70.0-130    |          | 09/15/2022 01:56        | <a href="#">WG1926509</a> |

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result<br>mg/l | <u>Qualifier</u> | RDL<br>mg/l | Dilution | Analysis<br>date / time | <u>Batch</u>              |
|------------------|----------------|------------------|-------------|----------|-------------------------|---------------------------|
| Dissolved Solids | 509            |                  | 10.0        | 1        | 09/14/2022 12:03        | <a href="#">WG1926005</a> |

## Wet Chemistry by Method 9056A

| Analyte  | Result<br>mg/l | <u>Qualifier</u> | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | <u>Batch</u>              |
|----------|----------------|------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Chloride | 69.6           |                  | 0.379       | 1.00        | 1        | 09/11/2022 04:56        | <a href="#">WG1923683</a> |
| Sulfate  | 23.2           |                  | 0.594       | 5.00        | 1        | 09/11/2022 04:56        | <a href="#">WG1923683</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                   | Result<br>mg/l | <u>Qualifier</u> | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | <u>Batch</u>              |
|---------------------------|----------------|------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Benzene                   | U              |                  | 0.0000941   | 0.00100     | 1        | 09/15/2022 02:18        | <a href="#">WG1926509</a> |
| Toluene                   | U              |                  | 0.000278    | 0.00100     | 1        | 09/15/2022 02:18        | <a href="#">WG1926509</a> |
| Ethylbenzene              | U              |                  | 0.000137    | 0.00100     | 1        | 09/15/2022 02:18        | <a href="#">WG1926509</a> |
| Xylenes, Total            | U              |                  | 0.000174    | 0.00300     | 1        | 09/15/2022 02:18        | <a href="#">WG1926509</a> |
| Naphthalene               | U              |                  | 0.00100     | 0.00500     | 1        | 09/15/2022 02:18        | <a href="#">WG1926509</a> |
| 1,2,4-Trimethylbenzene    | U              |                  | 0.000322    | 0.00100     | 1        | 09/15/2022 02:18        | <a href="#">WG1926509</a> |
| 1,3,5-Trimethylbenzene    | U              |                  | 0.000104    | 0.00100     | 1        | 09/15/2022 02:18        | <a href="#">WG1926509</a> |
| (S) Toluene-d8            | 111            |                  |             | 80.0-120    |          | 09/15/2022 02:18        | <a href="#">WG1926509</a> |
| (S) 4-Bromofluorobenzene  | 102            |                  |             | 77.0-126    |          | 09/15/2022 02:18        | <a href="#">WG1926509</a> |
| (S) 1,2-Dichloroethane-d4 | 108            |                  |             | 70.0-130    |          | 09/15/2022 02:18        | <a href="#">WG1926509</a> |

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

Method Blank (MB)

(MB) R3838701-1 09/14/22 12:03

|                  | MB Result | MB Qualifier | MB MDL | MB RDL |
|------------------|-----------|--------------|--------|--------|
| Analyte          | mg/l      |              | mg/l   | mg/l   |
| Dissolved Solids | U         |              | 10.0   | 10.0   |

L1533354-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1533354-04 09/14/22 12:03 • (DUP) R3838701-3 09/14/22 12:03

|                  | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte          | mg/l            | mg/l       |          | %       |               | %              |
| Dissolved Solids | 1100            | 1050       | 1        | 4.48    |               | 5              |

L1533680-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1533680-01 09/14/22 12:03 • (DUP) R3838701-4 09/14/22 12:03

|                  | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte          | mg/l            | mg/l       |          | %       |               | %              |
| Dissolved Solids | 575             | 600        | 1        | 4.31    |               | 5              |

Laboratory Control Sample (LCS)

(LCS) R3838701-2 09/14/22 12:03

|                  | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|------------------|--------------|------------|----------|-------------|---------------|
| Analyte          | mg/l         | mg/l       | %        | %           |               |
| Dissolved Solids | 8800         | 8270       | 94.0     | 77.3-123    |               |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3840294-1 09/14/22 16:52

|                  | MB Result | MB Qualifier | MB MDL | MB RDL |
|------------------|-----------|--------------|--------|--------|
| Analyte          | mg/l      |              | mg/l   | mg/l   |
| Dissolved Solids | U         |              | 10.0   | 10.0   |

L1533789-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1533789-03 09/14/22 16:52 • (DUP) R3840294-3 09/14/22 16:52

|                  | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte          | mg/l            | mg/l       |          | %       |               | %              |
| Dissolved Solids | 2370            | 2590       | 1        | 8.68    | J3            | 5              |

L1533819-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1533819-01 09/14/22 16:52 • (DUP) R3840294-4 09/14/22 16:52

|                  | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte          | mg/l            | mg/l       |          | %       |               | %              |
| Dissolved Solids | 940             | 982        | 1        | 4.37    |               | 5              |

Laboratory Control Sample (LCS)

(LCS) R3840294-2 09/14/22 16:52

|                  | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|------------------|--------------|------------|----------|-------------|---------------|
| Analyte          | mg/l         | mg/l       | %        | %           |               |
| Dissolved Solids | 8800         | 8330       | 94.7     | 77.3-123    |               |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3836983-1 09/12/22 00:38

|          | MB Result | MB Qualifier | MB MDL | MB RDL |
|----------|-----------|--------------|--------|--------|
| Analyte  | mg/l      |              | mg/l   | mg/l   |
| Chloride | 0.552     | ⬇            | 0.379  | 1.00   |
| Sulfate  | U         |              | 0.594  | 5.00   |

L1533718-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1533718-14 09/12/22 04:22 • (DUP) R3836983-3 09/12/22 04:40

|          | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte  | mg/l            | mg/l       |          | %       |               | %              |
| Chloride | 21.4            | 21.4       | 1        | 0.0471  |               | 15             |
| Sulfate  | 3.30            | 3.38       | 1        | 2.46    | ⬇             | 15             |

L1533775-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1533775-03 09/12/22 08:50 • (DUP) R3836983-5 09/12/22 09:08

|          | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte  | mg/l            | mg/l       |          | %       |               | %              |
| Chloride | 8.28            | 8.31       | 1        | 0.408   |               | 15             |
| Sulfate  | 15.9            | 16.0       | 1        | 0.586   |               | 15             |

Laboratory Control Sample (LCS)

(LCS) R3836983-2 09/12/22 00:55

|          | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------|--------------|------------|----------|-------------|---------------|
| Analyte  | mg/l         | mg/l       | %        | %           |               |
| Chloride | 40.0         | 38.8       | 97.0     | 80.0-120    |               |
| Sulfate  | 40.0         | 38.5       | 96.3     | 80.0-120    |               |

L1533718-14 Original Sample (OS) • Matrix Spike (MS)

(OS) L1533718-14 09/12/22 04:22 • (MS) R3836983-4 09/12/22 04:57

|          | Spike Amount | Original Result | MS Result | MS Rec. | Dilution | Rec. Limits | MS Qualifier |
|----------|--------------|-----------------|-----------|---------|----------|-------------|--------------|
| Analyte  | mg/l         | mg/l            | mg/l      | %       |          | %           |              |
| Chloride | 50.0         | 21.4            | 72.1      | 101     | 1        | 80.0-120    |              |
| Sulfate  | 50.0         | 3.30            | 53.1      | 99.6    | 1        | 80.0-120    |              |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1533775-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1533775-03 09/12/22 08:50 • (MS) R3836983-6 09/12/22 09:26 • (MSD) R3836983-7 09/12/22 09:44

| Analyte  | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | <u>MS Qualifier</u> | <u>MSD Qualifier</u> | RPD<br>% | RPD Limits<br>% |
|----------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|---------------------|----------------------|----------|-----------------|
| Chloride | 50.0                 | 8.28                    | 54.4              | 54.1               | 92.2         | 91.6          | 1        | 80.0-120         |                     |                      | 0.534    | 15              |
| Sulfate  | 50.0                 | 15.9                    | 62.1              | 62.0               | 92.4         | 92.2          | 1        | 80.0-120         |                     |                      | 0.219    | 15              |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3836751-1 09/10/22 21:47

|          | MB Result | MB Qualifier | MB MDL | MB RDL |
|----------|-----------|--------------|--------|--------|
| Analyte  | mg/l      |              | mg/l   | mg/l   |
| Chloride | U         |              | 0.379  | 1.00   |
| Sulfate  | U         |              | 0.594  | 5.00   |

L1533603-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1533603-01 09/10/22 22:18 • (DUP) R3836751-3 09/10/22 22:34

|          | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte  | mg/l            | mg/l       |          | %       |               | %              |
| Chloride | 102             | 102        | 5        | 0.109   |               | 15             |
| Sulfate  | 3.81            | 3.66       | 5        | 4.13    | J             | 15             |

L1533789-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1533789-01 09/11/22 05:28 • (DUP) R3836751-6 09/11/22 05:44

|          | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte  | mg/l            | mg/l       |          | %       |               | %              |
| Chloride | 645             | 645        | 5        | 0.0123  |               | 15             |
| Sulfate  | 307             | 309        | 5        | 0.663   |               | 15             |

Laboratory Control Sample (LCS)

(LCS) R3836751-2 09/10/22 22:03

|          | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------|--------------|------------|----------|-------------|---------------|
| Analyte  | mg/l         | mg/l       | %        | %           |               |
| Chloride | 40.0         | 36.5       | 91.1     | 80.0-120    |               |
| Sulfate  | 40.0         | 37.3       | 93.3     | 80.0-120    |               |

L1533603-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1533603-02 09/10/22 22:50 • (MS) R3836751-4 09/10/22 23:06 • (MSD) R3836751-5 09/10/22 23:22

|          | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD  | RPD Limits |
|----------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
| Analyte  | mg/l         | mg/l            | mg/l      | mg/l       | %       | %        |          | %           |              |               | %    | %          |
| Chloride | 50.0         | 118             | 148       | 162        | 61.3    | 88.1     | 5        | 80.0-120    | J6           |               | 8.63 | 15         |
| Sulfate  | 50.0         | U               | 35.8      | 49.7       | 71.6    | 99.3     | 5        | 80.0-120    | J6           | J3            | 32.4 | 15         |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3837245-1 09/14/22 02:40

|         | MB Result | MB Qualifier | MB MDL | MB RDL |
|---------|-----------|--------------|--------|--------|
| Analyte | mg/l      |              | mg/l   | mg/l   |
| Sulfate | U         |              | 0.594  | 5.00   |

L1533775-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1533775-10 09/14/22 05:22 • (DUP) R3837245-3 09/14/22 05:36

|         | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/l            | mg/l       |          | %       |               | %              |
| Sulfate | 20.1            | 20.0       | 1        | 0.353   |               | 15             |

L1534478-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1534478-14 09/14/22 08:46 • (DUP) R3837245-6 09/14/22 08:58

|         | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/l            | mg/l       |          | %       |               | %              |
| Sulfate | 114             | 116        | 1        | 1.66    |               | 15             |

Laboratory Control Sample (LCS)

(LCS) R3837245-2 09/14/22 02:54

|         | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------|--------------|------------|----------|-------------|---------------|
| Analyte | mg/l         | mg/l       | %        | %           |               |
| Sulfate | 40.0         | 40.4       | 101      | 80.0-120    |               |

L1533775-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1533775-10 09/14/22 05:22 • (MS) R3837245-4 09/14/22 05:49 • (MSD) R3837245-5 09/14/22 06:03

|         | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD   | RPD Limits |
|---------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|-------|------------|
| Analyte | mg/l         | mg/l            | mg/l      | mg/l       | %       | %        |          | %           |              |               | %     | %          |
| Sulfate | 50.0         | 20.1            | 71.8      | 71.5       | 103     | 103      | 1        | 80.0-120    |              |               | 0.491 | 15         |

L1534478-14 Original Sample (OS) • Matrix Spike (MS)

(OS) L1534478-14 09/14/22 08:46 • (MS) R3837245-7 09/14/22 09:11

|         | Spike Amount | Original Result | MS Result | MS Rec. | Dilution | Rec. Limits | MS Qualifier |
|---------|--------------|-----------------|-----------|---------|----------|-------------|--------------|
| Analyte | mg/l         | mg/l            | mg/l      | %       |          | %           |              |
| Sulfate | 50.0         | 114             | 159       | 91.6    | 1        | 80.0-120    |              |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3838614-2 09/11/22 11:12

| Analyte                   | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|---------------------------|-------------------|--------------|----------------|----------------|
| Benzene                   | U                 |              | 0.0000941      | 0.00100        |
| Toluene                   | U                 |              | 0.000278       | 0.00100        |
| Ethylbenzene              | U                 |              | 0.000137       | 0.00100        |
| Xylenes, Total            | U                 |              | 0.000174       | 0.00300        |
| Naphthalene               | U                 |              | 0.00100        | 0.00500        |
| 1,2,4-Trimethylbenzene    | U                 |              | 0.000322       | 0.00100        |
| 1,3,5-Trimethylbenzene    | U                 |              | 0.000104       | 0.00100        |
| (S) Toluene-d8            | 113               |              |                | 80.0-120       |
| (S) 4-Bromofluorobenzene  | 96.1              |              |                | 77.0-126       |
| (S) 1,2-Dichloroethane-d4 | 92.6              |              |                | 70.0-130       |

Laboratory Control Sample (LCS)

(LCS) R3838614-1 09/11/22 10:32

| Analyte                   | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|---------------------------|----------------------|--------------------|---------------|------------------|---------------|
| Benzene                   | 0.00500              | 0.00461            | 92.2          | 70.0-123         |               |
| Toluene                   | 0.00500              | 0.00496            | 99.2          | 79.0-120         |               |
| Ethylbenzene              | 0.00500              | 0.00484            | 96.8          | 79.0-123         |               |
| Xylenes, Total            | 0.0150               | 0.0145             | 96.7          | 79.0-123         |               |
| Naphthalene               | 0.00500              | 0.00379            | 75.8          | 54.0-135         |               |
| 1,2,4-Trimethylbenzene    | 0.00500              | 0.00492            | 98.4          | 76.0-121         |               |
| 1,3,5-Trimethylbenzene    | 0.00500              | 0.00533            | 107           | 76.0-122         |               |
| (S) Toluene-d8            |                      |                    | 114           | 80.0-120         |               |
| (S) 4-Bromofluorobenzene  |                      |                    | 99.2          | 77.0-126         |               |
| (S) 1,2-Dichloroethane-d4 |                      |                    | 98.2          | 70.0-130         |               |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) R3836919-3 09/11/22 11:21

| Analyte                   | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|---------------------------|-------------------|--------------|----------------|----------------|
| Benzene                   | U                 |              | 0.0000941      | 0.00100        |
| Toluene                   | U                 |              | 0.000278       | 0.00100        |
| Ethylbenzene              | U                 |              | 0.000137       | 0.00100        |
| Xylenes, Total            | U                 |              | 0.000174       | 0.00300        |
| Naphthalene               | U                 |              | 0.00100        | 0.00500        |
| 1,2,4-Trimethylbenzene    | U                 |              | 0.000322       | 0.00100        |
| 1,3,5-Trimethylbenzene    | U                 |              | 0.000104       | 0.00100        |
| (S) Toluene-d8            | 108               |              |                | 80.0-120       |
| (S) 4-Bromofluorobenzene  | 116               |              |                | 77.0-126       |
| (S) 1,2-Dichloroethane-d4 | 122               |              |                | 70.0-130       |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3836919-1 09/11/22 10:22 • (LCSD) R3836919-2 09/11/22 10:42

| Analyte                   | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Benzene                   | 0.00500              | 0.00556            | 0.00592             | 111           | 118            | 70.0-123         |               |                | 6.27     | 20              |
| Toluene                   | 0.00500              | 0.00533            | 0.00543             | 107           | 109            | 79.0-120         |               |                | 1.86     | 20              |
| Ethylbenzene              | 0.00500              | 0.00533            | 0.00553             | 107           | 111            | 79.0-123         |               |                | 3.68     | 20              |
| Xylenes, Total            | 0.0150               | 0.0161             | 0.0165              | 107           | 110            | 79.0-123         |               |                | 2.45     | 20              |
| Naphthalene               | 0.00500              | 0.00471            | 0.00524             | 94.2          | 105            | 54.0-135         |               |                | 10.7     | 20              |
| 1,2,4-Trimethylbenzene    | 0.00500              | 0.00551            | 0.00578             | 110           | 116            | 76.0-121         |               |                | 4.78     | 20              |
| 1,3,5-Trimethylbenzene    | 0.00500              | 0.00592            | 0.00576             | 118           | 115            | 76.0-122         |               |                | 2.74     | 20              |
| (S) Toluene-d8            |                      |                    |                     | 114           | 114            | 80.0-120         |               |                |          |                 |
| (S) 4-Bromofluorobenzene  |                      |                    |                     | 113           | 116            | 77.0-126         |               |                |          |                 |
| (S) 1,2-Dichloroethane-d4 |                      |                    |                     | 121           | 124            | 70.0-130         |               |                |          |                 |

L1534000-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1534000-04 09/11/22 16:37 • (MS) R3836919-4 09/11/22 19:50 • (MSD) R3836919-5 09/11/22 20:10

| Analyte                | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Benzene                | 0.00500              | U                       | 0.00580           | 0.00478            | 116          | 95.6          | 1        | 17.0-158         |              |               | 19.3     | 27              |
| Toluene                | 0.00500              | U                       | 0.00556           | 0.00461            | 111          | 92.2          | 1        | 26.0-154         |              |               | 18.7     | 28              |
| Ethylbenzene           | 0.00500              | U                       | 0.00541           | 0.00462            | 108          | 92.4          | 1        | 30.0-155         |              |               | 15.8     | 27              |
| Xylenes, Total         | 0.0150               | U                       | 0.0164            | 0.0136             | 109          | 90.7          | 1        | 29.0-154         |              |               | 18.7     | 28              |
| Naphthalene            | 0.00500              | U                       | 0.00508           | 0.00490            | 102          | 98.0          | 1        | 12.0-156         |              |               | 3.61     | 35              |
| 1,2,4-Trimethylbenzene | 0.00500              | U                       | 0.00533           | 0.00466            | 107          | 93.2          | 1        | 26.0-154         |              |               | 13.4     | 27              |
| 1,3,5-Trimethylbenzene | 0.00500              | U                       | 0.00549           | 0.00468            | 110          | 93.6          | 1        | 28.0-153         |              |               | 15.9     | 27              |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1534000-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1534000-04 09/11/22 16:37 • (MS) R3836919-4 09/11/22 19:50 • (MSD) R3836919-5 09/11/22 20:10

| Analyte                   | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | <u>MS Qualifier</u> | <u>MSD Qualifier</u> | RPD<br>% | RPD Limits<br>% |
|---------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|---------------------|----------------------|----------|-----------------|
| (S) Toluene-d8            |                      |                         |                   |                    | 117          | 113           |          | 80.0-120         |                     |                      |          |                 |
| (S) 4-Bromofluorobenzene  |                      |                         |                   |                    | 114          | 116           |          | 77.0-126         |                     |                      |          |                 |
| (S) 1,2-Dichloroethane-d4 |                      |                         |                   |                    | 115          | 116           |          | 70.0-130         |                     |                      |          |                 |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3837693-4 09/14/22 20:53

| Analyte                   | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|---------------------------|-------------------|--------------|----------------|----------------|
| Benzene                   | U                 |              | 0.0000941      | 0.00100        |
| Toluene                   | U                 |              | 0.000278       | 0.00100        |
| Ethylbenzene              | U                 |              | 0.000137       | 0.00100        |
| Xylenes, Total            | U                 |              | 0.000174       | 0.00300        |
| Naphthalene               | U                 |              | 0.00100        | 0.00500        |
| 1,2,4-Trimethylbenzene    | U                 |              | 0.000322       | 0.00100        |
| 1,3,5-Trimethylbenzene    | U                 |              | 0.000104       | 0.00100        |
| (S) Toluene-d8            | 113               |              |                | 80.0-120       |
| (S) 4-Bromofluorobenzene  | 101               |              |                | 77.0-126       |
| (S) 1,2-Dichloroethane-d4 | 108               |              |                | 70.0-130       |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3837693-1 09/14/22 19:26 • (LCSD) R3837693-2 09/14/22 19:48

| Analyte                   | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Benzene                   | 0.00500              | 0.00495            | 0.00508             | 99.0          | 102            | 70.0-123         |               |                | 2.59     | 20              |
| Toluene                   | 0.00500              | 0.00476            | 0.00470             | 95.2          | 94.0           | 79.0-120         |               |                | 1.27     | 20              |
| Ethylbenzene              | 0.00500              | 0.00472            | 0.00483             | 94.4          | 96.6           | 79.0-123         |               |                | 2.30     | 20              |
| Xylenes, Total            | 0.0150               | 0.0140             | 0.0138              | 93.3          | 92.0           | 79.0-123         |               |                | 1.44     | 20              |
| Naphthalene               | 0.00500              | 0.00387            | 0.00402             | 77.4          | 80.4           | 54.0-135         |               |                | 3.80     | 20              |
| 1,2,4-Trimethylbenzene    | 0.00500              | 0.00483            | 0.00478             | 96.6          | 95.6           | 76.0-121         |               |                | 1.04     | 20              |
| 1,3,5-Trimethylbenzene    | 0.00500              | 0.00510            | 0.00483             | 102           | 96.6           | 76.0-122         |               |                | 5.44     | 20              |
| (S) Toluene-d8            |                      |                    |                     | 108           | 109            | 80.0-120         |               |                |          |                 |
| (S) 4-Bromofluorobenzene  |                      |                    |                     | 101           | 103            | 77.0-126         |               |                |          |                 |
| (S) 1,2-Dichloroethane-d4 |                      |                    |                     | 107           | 106            | 70.0-130         |               |                |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3838944-3 09/19/22 14:32

| Analyte                   | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|---------------------------|-------------------|--------------|----------------|----------------|
| Benzene                   | U                 |              | 0.0000941      | 0.00100        |
| Toluene                   | U                 |              | 0.000278       | 0.00100        |
| Ethylbenzene              | U                 |              | 0.000137       | 0.00100        |
| Xylenes, Total            | U                 |              | 0.000174       | 0.00300        |
| Naphthalene               | U                 |              | 0.00100        | 0.00500        |
| 1,2,4-Trimethylbenzene    | U                 |              | 0.000322       | 0.00100        |
| 1,3,5-Trimethylbenzene    | U                 |              | 0.000104       | 0.00100        |
| (S) Toluene-d8            | 112               |              |                | 80.0-120       |
| (S) 4-Bromofluorobenzene  | 99.6              |              |                | 77.0-126       |
| (S) 1,2-Dichloroethane-d4 | 109               |              |                | 70.0-130       |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3838944-1 09/19/22 13:35 • (LCSD) R3838944-2 09/19/22 13:54

| Analyte                   | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Benzene                   | 0.00500              | 0.00521            | 0.00499             | 104           | 99.8           | 70.0-123         |               |                | 4.31     | 20              |
| Toluene                   | 0.00500              | 0.00527            | 0.00482             | 105           | 96.4           | 79.0-120         |               |                | 8.92     | 20              |
| Ethylbenzene              | 0.00500              | 0.00522            | 0.00500             | 104           | 100            | 79.0-123         |               |                | 4.31     | 20              |
| Xylenes, Total            | 0.0150               | 0.0153             | 0.0152              | 102           | 101            | 79.0-123         |               |                | 0.656    | 20              |
| Naphthalene               | 0.00500              | 0.00343            | 0.00452             | 68.6          | 90.4           | 54.0-135         |               | J3             | 27.4     | 20              |
| 1,2,4-Trimethylbenzene    | 0.00500              | 0.00531            | 0.00495             | 106           | 99.0           | 76.0-121         |               |                | 7.02     | 20              |
| 1,3,5-Trimethylbenzene    | 0.00500              | 0.00529            | 0.00489             | 106           | 97.8           | 76.0-122         |               |                | 7.86     | 20              |
| (S) Toluene-d8            |                      |                    |                     | 113           | 111            | 80.0-120         |               |                |          |                 |
| (S) 4-Bromofluorobenzene  |                      |                    |                     | 98.8          | 105            | 77.0-126         |               |                |          |                 |
| (S) 1,2-Dichloroethane-d4 |                      |                    |                     | 109           | 110            | 70.0-130         |               |                |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

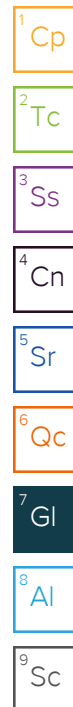
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

### Abbreviations and Definitions

|                              |  |
|------------------------------|--|
| MDL                          | Method Detection Limit.  |
| RDL                          | Reported Detection Limit.  |
| Rec.                         | Recovery.  |
| RPD                          | Relative Percent Difference.   |
| SDG                          | Sample Delivery Group.   |
| (S)                          | Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.   |
| U                            | Not detected at the Reporting Limit (or MDL where applicable).   |
| Analyte                      | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.   |
| Dilution                     | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.  |
| Limits                       | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.  |
| Original Sample              | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.  |
| Qualifier                    | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.  |
| Result                       | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma.   |
| Case Narrative (Cn)          | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.  |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.  |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.  |
| Sample Results (Sr)          | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.   |
| Sample Summary (Ss)          | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.  |

### Qualifier Description

|    |   |
|----|---|
| J  | The identification of the analyte is acceptable; the reported value is an estimate.                   |
| J1 | Surrogate recovery limits have been exceeded; values are outside upper control limits.                |
| J3 | The associated batch QC was outside the established quality control range for precision.              |
| J6 | The sample matrix interfered with the ability to make any accurate determination; spike value is low. |



# ACCREDITATIONS & LOCATIONS

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

|                                |             |                             |                  |
|--------------------------------|-------------|-----------------------------|------------------|
| Alabama                        | 40660       | Nebraska                    | NE-OS-15-05      |
| Alaska                         | 17-026      | Nevada                      | TN000032021-1    |
| Arizona                        | AZ0612      | New Hampshire               | 2975             |
| Arkansas                       | 88-0469     | New Jersey--NELAP           | TN002            |
| California                     | 2932        | New Mexico <sup>1</sup>     | TN00003          |
| Colorado                       | TN00003     | New York                    | 11742            |
| Connecticut                    | PH-0197     | North Carolina              | Env375           |
| Florida                        | E87487      | North Carolina <sup>1</sup> | DW21704          |
| Georgia                        | NELAP       | North Carolina <sup>3</sup> | 41               |
| Georgia <sup>1</sup>           | 923         | North Dakota                | R-140            |
| Idaho                          | TN00003     | Ohio--VAP                   | CL0069           |
| Illinois                       | 200008      | Oklahoma                    | 9915             |
| Indiana                        | C-TN-01     | Oregon                      | TN200002         |
| Iowa                           | 364         | Pennsylvania                | 68-02979         |
| Kansas                         | E-10277     | Rhode Island                | LA000356         |
| Kentucky <sup>1 6</sup>        | KY90010     | South Carolina              | 84004002         |
| Kentucky <sup>2</sup>          | 16          | South Dakota                | n/a              |
| Louisiana                      | AI30792     | Tennessee <sup>1 4</sup>    | 2006             |
| Louisiana                      | LA018       | Texas                       | T104704245-20-18 |
| Maine                          | TN00003     | Texas <sup>5</sup>          | LAB0152          |
| Maryland                       | 324         | Utah                        | TN000032021-11   |
| Massachusetts                  | M-TN003     | Vermont                     | VT2006           |
| Michigan                       | 9958        | Virginia                    | 110033           |
| Minnesota                      | 047-999-395 | Washington                  | C847             |
| Mississippi                    | TN00003     | West Virginia               | 233              |
| Missouri                       | 340         | Wisconsin                   | 998093910        |
| Montana                        | CERT0086    | Wyoming                     | A2LA             |
| A2LA -- ISO 17025              | 1461.01     | AIHA-LAP,LLC EMLAP          | 100789           |
| A2LA -- ISO 17025 <sup>5</sup> | 1461.02     | DOD                         | 1461.01          |
| Canada                         | 1461.01     | USDA                        | P330-15-00234    |
| EPA--Crypto                    | TN00003     |                             |                  |

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> Wastewater n/a Accreditation not applicable

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



|  |           |                                    |       |  |      |                              |      |   |                                |                         |          |  |  |                          |  |
|--|-----------|------------------------------------|-------|--|------|------------------------------|------|---|--------------------------------|-------------------------|----------|--|--|--------------------------|--|
| <b>ENTRADA CONSULTING GROUP</b><br>330 Grand Avenue, Unit C<br>Grand Junction, CO 81501  |           |                                    |       | Billing Information:<br>Same as left.  |      |                              |      | Analysis / Container / Preservative   |                                |                         |          | Chain of Custody Page ____ of ____   |  |                          |  |
|  |           |                                    |       | Pres Chk   |      |                              |      |   |                                |                         |          | <br>L.A.B S.C.I.E.N.C.E.S<br>YOUR LAB OF CHOICE<br>12065 Lebanon Rd<br>Mount Juliet, TN 37122<br>Phone: 615-758-5858<br>Phone: 800-767-5859<br>Fax: 615-758-5859<br>   |  |                          |  |
| Report to:<br><b>Matt Kasten</b>   |           |                                    |       | Email To:<br><b>mkasten@entradainc.com</b>   |      |                              |      |   |                                |                         |          |  |  |                          |  |
| Project<br>Description: <b>HCWTF</b>   |           |                                    |       | City/State<br>Collected: <b>CO</b>   |      |                              |      |   |                                |                         |          |  |  |                          |  |
| Phone: 970-901-9007<br>Fax:  |           | Client Project #<br><b>017-013</b> |       | Lab Project #<br><b>ENTCONGJCO-915</b>   |      |                              |      |   |                                |                         |          | L# <b>61533775</b><br><b>B136</b>  |  |                          |  |
| Collected by (print):<br><b>CM + BSA</b>   |           | Site/Facility ID #<br><b>HCWTF</b> |       | P.O. #   |      |                              |      |   |                                |                         |          | Acctnum: <b>ENTCONGJCO</b><br>Template:  |  |                          |  |
| Collected by (signature):<br>  |           |                                    |       | <b>Rush?</b> (Lab MUST Be Notified)<br><input type="checkbox"/> Same Day <input type="checkbox"/> Five Day<br><input type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only)<br><input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only)<br><input type="checkbox"/> Three Day |      |                              |      | Quote #   |                                |                         |          |  |  | Prelogin:<br>TSR:<br>PB: |  |
| Immediately<br>Packed on Ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/>  |           |                                    |       | Date Results Needed  |      | No. of Cntrs                 |      |   |                                |                         |          | Shipped Via:   |  |                          |  |
| Sample ID  | Comp/Grab | Matrix *                           | Depth | Date   | Time |                              | BTEX | Naphthalene   | Table 915 1,2,4-TMB, 1,3,5 TMB | TDS                     | Chloride | Sulfate  |  |                          |  |
| MW1  | Grab      | GW                                 | 20.73 | 20220907   | 1140 | 5                            | X    | X   | X                              | X                       | X        | X  |  | 01                       |  |
| MW2  |           |                                    |       |  |      |                              |      |   |                                |                         |          |  |  | 02                       |  |
| MW3  |           |                                    | 30.81 |  | 1200 |                              |      |   |                                |                         |          |  |  | 03                       |  |
| MW4  |           |                                    | 30.05 |  | 1020 |                              |      |   |                                |                         |          |  |  | 04                       |  |
| MW5  |           |                                    | 25.94 |  | 0900 |                              |      |   |                                |                         |          |  |  | 05                       |  |
| MW6  |           |                                    | 30.65 |  | 0920 |                              |      |   |                                |                         |          |  |  | 06                       |  |
| MW7  |           |                                    | 43.26 |  | 0940 |                              |      |   |                                |                         |          |  |  | 07                       |  |
| MW8  |           |                                    | 21.60 |  | 1000 |                              |      |   |                                |                         |          |  |  | 08                       |  |
| MW9  |           |                                    | 17.44 |  | 1220 |                              |      |   |                                |                         |          |  |  | 09                       |  |
| MW10   |           |                                    | 26.04 |  | 0840 |                              |      |   |                                |                         |          |  |  |                          |  |
| * Matrix:<br>SS - Soil AIR - Air F - Filter<br>GW - Groundwater B - Bioassay<br>WW - WasteWater<br>DW - Drinking Water<br>OT - Other |           |                                    |       | Remarks:   |      |                              |      | pH _____ Temp _____<br>Flow _____ Other _____   |                                |                         |          | Sample Receipt Checklist<br>COC Seal Present/Intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>COC Signed/Accurate: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>Bottles arrive intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>Correct bottles used: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>Sufficient volume sent: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>If Applicable<br>VOA Zero Headspace: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>Preservation Correct/Checked: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |  |                          |  |
| Samples returned via:<br><input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier                |           |                                    |       | Tracking # <b>5755 8084 8890</b>   |      |                              |      | Trip Blank Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/><br>HCL / MeOH<br>TBR |                                |                         |          | If preservation required by Login: Date/Time   |  |                          |  |
| Relinquished by: (Signature)<br>   |           | Date:<br><b>20220907</b>           |       | Time:<br><b>1400</b>   |      | Received by: (Signature)<br> |      | Temp: _____ °C<br>Bottles Received:   |                                | Date: _____ Time: _____ |          | Hold:  |  | Condition:               |  |
| Relinquished by: (Signature)<br>   |           | Date:<br><b>9/7/22</b>             |       | Time:<br><b>1500</b>   |      | Received by: (Signature)<br> |      | Temp: _____ °C<br>Bottles Received:   |                                | Date: _____ Time: _____ |          | Hold:  |  | Condition:               |  |
| Relinquished by: (Signature)<br>   |           | Date:<br><b>9/8/22</b>             |       | Time:<br><b>900</b>  |      | Received by: (Signature)<br> |      | Temp: _____ °C<br>Bottles Received:   |                                | Date: _____ Time: _____ |          | Hold:  |  | Condition:               |  |

