

Prospect Energy LLC

Sample Delivery Group: L1673424
Samples Received: 11/03/2023
Project Number: MSSU 30-7
Description: Flow Line Leak 30-7
Site: MSSU 30-7
Report To: Mary Griggs
1036 Country Club Drive
Castle Rock, CO 80108

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Entire Report Reviewed By:

[Preliminary Report]

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 National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 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 |
| BELOW DAM L1673424-01 | 6 |
| ABOVE DAM L1673424-02 | 8 |
| MID STREAM L1673424-03 | 10 |
| INLET L1673424-04 | 12 |
| BACKGROUND L1673424-05 | 14 |
| Qc: Quality Control Summary | 16 |
| Gravimetric Analysis by Method 2540 C-2011 | 16 |
| Gravimetric Analysis by Method 2540 D-2015 | 17 |
| Wet Chemistry by Method 2320 B-2011 | 18 |
| Wet Chemistry by Method 9040C | 20 |
| Wet Chemistry by Method 9050A | 21 |
| Wet Chemistry by Method 9056A | 22 |
| Metals (ICP) by Method 6010B | 24 |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | 26 |
| Volatile Organic Compounds (GC/MS) by Method 8260B | 27 |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | 28 |
| Gl: Glossary of Terms | 29 |
| Al: Accreditations & Locations | 30 |
| Sc: Sample Chain of Custody | 31 |

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

SAMPLE SUMMARY

BELOW DAM L1673424-01 GW

Collected by
Randy Evans

Collected date/time
10/31/23 16:25

Received date/time
11/03/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Gravimetric Analysis by Method 2540 C-2011 | WG2164632 | 1 | 11/04/23 21:15 | 11/04/23 23:01 | MMF | Mt. Juliet, TN |
| Gravimetric Analysis by Method 2540 D-2015 | WG2164629 | 1 | 11/04/23 23:27 | 11/05/23 00:22 | JAC | Mt. Juliet, TN |
| Wet Chemistry by Method 2320 B-2011 | WG2164801 | 1 | 11/07/23 15:46 | 11/07/23 15:46 | BJM | Mt. Juliet, TN |
| Wet Chemistry by Method 9040C | WG2164461 | 1 | 11/04/23 12:00 | 11/04/23 12:00 | EPW | Mt. Juliet, TN |
| Wet Chemistry by Method 9050A | WG2165214 | 1 | 11/06/23 12:40 | 11/06/23 12:40 | BJM | Mt. Juliet, TN |
| Wet Chemistry by Method 9056A | WG2164813 | 10 | 11/07/23 17:31 | 11/07/23 17:31 | GEB | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG2165089 | 1 | 11/06/23 07:24 | 11/06/23 16:50 | CCE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG2164906 | 1 | 11/05/23 18:31 | 11/05/23 18:31 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2164482 | 1 | 11/04/23 11:06 | 11/04/23 11:06 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG2164739 | 1 | 11/06/23 09:02 | 11/06/23 15:57 | DMG | Mt. Juliet, TN |



ABOVE DAM L1673424-02 GW

Collected by
Randy Evans

Collected date/time
10/31/23 16:45

Received date/time
11/03/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Gravimetric Analysis by Method 2540 C-2011 | WG2164632 | 1 | 11/04/23 21:15 | 11/04/23 23:01 | MMF | Mt. Juliet, TN |
| Wet Chemistry by Method 2320 B-2011 | WG2164801 | 1 | 11/07/23 16:02 | 11/07/23 16:02 | BJM | Mt. Juliet, TN |
| Wet Chemistry by Method 9040C | WG2164461 | 1 | 11/04/23 12:00 | 11/04/23 12:00 | EPW | Mt. Juliet, TN |
| Wet Chemistry by Method 9050A | WG2165214 | 1 | 11/06/23 12:40 | 11/06/23 12:40 | BJM | Mt. Juliet, TN |
| Wet Chemistry by Method 9056A | WG2164813 | 10 | 11/07/23 17:59 | 11/07/23 17:59 | GEB | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG2165089 | 1 | 11/06/23 07:24 | 11/06/23 18:21 | CCE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG2164906 | 1 | 11/05/23 18:50 | 11/05/23 18:50 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2164482 | 1 | 11/04/23 11:25 | 11/04/23 11:25 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG2164739 | 1 | 11/06/23 09:02 | 11/06/23 16:19 | DMG | Mt. Juliet, TN |

MID STREAM L1673424-03 GW

Collected by
Randy Evans

Collected date/time
10/31/23 17:00

Received date/time
11/03/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Gravimetric Analysis by Method 2540 C-2011 | WG2164632 | 1 | 11/04/23 21:15 | 11/04/23 23:01 | MMF | Mt. Juliet, TN |
| Gravimetric Analysis by Method 2540 D-2015 | WG2164629 | 1 | 11/04/23 23:27 | 11/05/23 00:22 | JAC | Mt. Juliet, TN |
| Wet Chemistry by Method 9040C | WG2164461 | 1 | 11/04/23 12:00 | 11/04/23 12:00 | EPW | Mt. Juliet, TN |
| Wet Chemistry by Method 9050A | WG2165214 | 1 | 11/06/23 12:40 | 11/06/23 12:40 | BJM | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG2165089 | 1 | 11/06/23 07:24 | 11/06/23 18:24 | CCE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG2164906 | 1 | 11/05/23 19:09 | 11/05/23 19:09 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2164482 | 1 | 11/04/23 11:44 | 11/04/23 11:44 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG2164758 | 1 | 11/05/23 21:49 | 11/06/23 05:57 | JDG | Mt. Juliet, TN |

INLET L1673424-04 GW

Collected by
Randy Evans

Collected date/time
10/31/23 17:15

Received date/time
11/03/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Gravimetric Analysis by Method 2540 C-2011 | WG2164632 | 1 | 11/04/23 21:15 | 11/04/23 23:01 | MMF | Mt. Juliet, TN |
| Gravimetric Analysis by Method 2540 D-2015 | WG2164629 | 1 | 11/04/23 23:27 | 11/05/23 00:22 | JAC | Mt. Juliet, TN |
| Wet Chemistry by Method 2320 B-2011 | WG2164801 | 1 | 11/07/23 16:14 | 11/07/23 16:14 | BJM | Mt. Juliet, TN |
| Wet Chemistry by Method 9040C | WG2164461 | 1 | 11/04/23 12:00 | 11/04/23 12:00 | EPW | Mt. Juliet, TN |
| Wet Chemistry by Method 9050A | WG2165214 | 1 | 11/06/23 12:40 | 11/06/23 12:40 | BJM | Mt. Juliet, TN |
| Wet Chemistry by Method 9056A | WG2164813 | 10 | 11/07/23 18:26 | 11/07/23 18:26 | GEB | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG2165089 | 1 | 11/06/23 07:24 | 11/06/23 18:28 | CCE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG2164906 | 1 | 11/05/23 19:28 | 11/05/23 19:28 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2164482 | 1 | 11/04/23 12:03 | 11/04/23 12:03 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG2164739 | 1 | 11/06/23 09:02 | 11/06/23 16:38 | DMG | Mt. Juliet, TN |

SAMPLE SUMMARY

BACKGROUND L1673424-05 GW

Collected by
Randy Evans

Collected date/time
10/31/23 17:30

Received date/time
11/03/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Gravimetric Analysis by Method 2540 C-2011 | WG2164632 | 1 | 11/04/23 21:15 | 11/04/23 23:01 | MMF | Mt. Juliet, TN |
| Gravimetric Analysis by Method 2540 D-2015 | WG2164629 | 1 | 11/04/23 23:27 | 11/05/23 00:22 | JAC | Mt. Juliet, TN |
| Wet Chemistry by Method 2320 B-2011 | WG2164801 | 1 | 11/07/23 16:20 | 11/07/23 16:20 | BJM | Mt. Juliet, TN |
| Wet Chemistry by Method 9040C | WG2164461 | 1 | 11/04/23 12:00 | 11/04/23 12:00 | EPW | Mt. Juliet, TN |
| Wet Chemistry by Method 9050A | WG2165214 | 1 | 11/06/23 12:40 | 11/06/23 12:40 | BJM | Mt. Juliet, TN |
| Wet Chemistry by Method 9056A | WG2164813 | 10 | 11/07/23 18:54 | 11/07/23 18:54 | GEB | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG2165089 | 1 | 11/06/23 07:24 | 11/06/23 18:31 | CCE | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG2164906 | 1 | 11/05/23 19:47 | 11/05/23 19:47 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2164482 | 1 | 11/04/23 12:23 | 11/04/23 12:23 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG2164739 | 1 | 11/06/23 09:02 | 11/06/23 16:58 | DMG | Mt. Juliet, TN |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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.

[Preliminary Report]

Chris Ward
Project Manager

Report Revision History

Level II Report - Version 1: 11/08/23 16:29

Project Narrative

Alkalinity series and anions unable to be run on Mid Stream sample due to volume



BELOW DAM

Collected date/time: 10/31/23 16:25

SAMPLE RESULTS - 01

L1673424

Gravimetric Analysis by Method 2540 C-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Dissolved Solids | 2470 | | 50.0 | 1 | 11/04/2023 23:01 | WG2164632 |

Gravimetric Analysis by Method 2540 D-2015

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Suspended Solids | 19.8 | | 2.50 | 1 | 11/05/2023 00:22 | WG2164629 |

Wet Chemistry by Method 2320 B-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|------------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Alkalinity | 288 | | 20.0 | 1 | 11/07/2023 15:46 | WG2164801 |
| Alkalinity,Bicarbonate | 288 | | 20.0 | 1 | 11/07/2023 15:46 | WG2164801 |
| Alkalinity,Carbonate | ND | | 20.0 | 1 | 11/07/2023 15:46 | WG2164801 |

Sample Narrative:

L1673424-01 WG2164801: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9040C

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|---------|--------|--------------------|----------|----------------------|---------------------------|
| pH | 7.74 | T8 | 1 | 11/04/2023 12:00 | WG2164461 |

Sample Narrative:

L1673424-01 WG2164461: 7.74 at 18.3C

Wet Chemistry by Method 9050A

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Specific Conductance | 2890 | | 10.0 | 1 | 11/06/2023 12:40 | WG2165214 |

Sample Narrative:

L1673424-01 WG2165214: at 25C

Wet Chemistry by Method 9056A

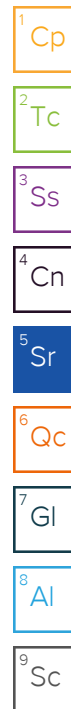
| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------|--------|--------------------|------|----------|----------------------|---------------------------|
| Bromide | ND | | 10.0 | 10 | 11/07/2023 17:31 | WG2164813 |
| Chloride | 34.0 | | 10.0 | 10 | 11/07/2023 17:31 | WG2164813 |
| Fluoride | ND | | 1.50 | 10 | 11/07/2023 17:31 | WG2164813 |
| Nitrate as (N) | 7.94 | T8 | 1.00 | 10 | 11/07/2023 17:31 | WG2164813 |
| Nitrite as (N) | ND | T8 | 1.00 | 10 | 11/07/2023 17:31 | WG2164813 |
| Sulfate | 1180 | | 50.0 | 10 | 11/07/2023 17:31 | WG2164813 |

Sample Narrative:

L1673424-01 WG2164813: Dilution due to matrix interference

Metals (ICP) by Method 6010B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------|--------|-----------|---------|----------|----------------------|---------------------------|
| Barium | 0.0290 | | 0.00500 | 1 | 11/06/2023 16:50 | WG2165089 |
| Boron | 0.777 | | 0.200 | 1 | 11/06/2023 16:50 | WG2165089 |
| Calcium | 278 | | 1.00 | 1 | 11/06/2023 16:50 | WG2165089 |
| Iron | 0.371 | | 0.100 | 1 | 11/06/2023 16:50 | WG2165089 |



BELOW DAM

Collected date/time: 10/31/23 16:25

SAMPLE RESULTS - 01

L1673424

Metals (ICP) by Method 6010B

| Analyte | Result mg/l | Qualifier | RDL mg/l | Dilution | Analysis date / time | Batch |
|------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Magnesium | 156 | | 1.00 | 1 | 11/06/2023 16:50 | WG2165089 |
| Manganese | 0.0519 | | 0.0100 | 1 | 11/06/2023 16:50 | WG2165089 |
| Phosphorus | ND | | 0.250 | 1 | 11/06/2023 16:50 | WG2165089 |
| Potassium | 3.67 | | 2.00 | 1 | 11/06/2023 16:50 | WG2165089 |
| Selenium | ND | | 0.0100 | 1 | 11/06/2023 16:50 | WG2165089 |
| Sodium | 217 | | 3.00 | 1 | 11/06/2023 16:50 | WG2165089 |
| Strontium | 6.41 | | 0.0100 | 1 | 11/06/2023 16:50 | WG2165089 |

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte | Result mg/l | Qualifier | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| TPH (GC/FID) Low Fraction | ND | | 0.100 | 1 | 11/05/2023 18:31 | WG2164906 |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 95.4 | | 78.0-120 | | 11/05/2023 18:31 | WG2164906 |

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

| Analyte | Result mg/l | Qualifier | RDL mg/l | Dilution | Analysis date / time | Batch |
|----------------------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 11/04/2023 11:06 | WG2164482 |
| Toluene | ND | | 0.00100 | 1 | 11/04/2023 11:06 | WG2164482 |
| Ethylbenzene | ND | | 0.00100 | 1 | 11/04/2023 11:06 | WG2164482 |
| Xylenes, Total | ND | | 0.00300 | 1 | 11/04/2023 11:06 | WG2164482 |
| 1,2,4-Trimethylbenzene | ND | | 0.00100 | 1 | 11/04/2023 11:06 | WG2164482 |
| 1,3,5-Trimethylbenzene | ND | | 0.00100 | 1 | 11/04/2023 11:06 | WG2164482 |
| (S) <i>Toluene-d8</i> | 105 | | 80.0-120 | | 11/04/2023 11:06 | WG2164482 |
| (S) <i>4-Bromofluorobenzene</i> | 98.8 | | 77.0-126 | | 11/04/2023 11:06 | WG2164482 |
| (S) <i>1,2-Dichloroethane-d4</i> | 113 | | 70.0-130 | | 11/04/2023 11:06 | WG2164482 |

Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte | Result mg/l | Qualifier | RDL mg/l | Dilution | Analysis date / time | Batch |
|-------------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| C10-C28 Diesel Range | ND | | 0.100 | 1 | 11/06/2023 15:57 | WG2164739 |
| C28-C36 Motor Oil Range | ND | | 0.100 | 1 | 11/06/2023 15:57 | WG2164739 |
| (S) <i>o</i> -Terphenyl | 77.4 | | 52.0-156 | | 11/06/2023 15:57 | WG2164739 |

Gravimetric Analysis by Method 2540 C-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Dissolved Solids | 2220 | | 50.0 | 1 | 11/04/2023 23:01 | WG2164632 |

Wet Chemistry by Method 2320 B-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|------------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Alkalinity | 283 | | 20.0 | 1 | 11/07/2023 16:02 | WG2164801 |
| Alkalinity,Bicarbonate | 283 | | 20.0 | 1 | 11/07/2023 16:02 | WG2164801 |
| Alkalinity,Carbonate | ND | | 20.0 | 1 | 11/07/2023 16:02 | WG2164801 |

Sample Narrative:

L1673424-02 WG2164801: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9040C

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|---------|--------|--------------------|----------|----------------------|---------------------------|
| pH | 7.68 | T8 | 1 | 11/04/2023 12:00 | WG2164461 |

Sample Narrative:

L1673424-02 WG2164461: 7.68 at 20.2C

Wet Chemistry by Method 9050A

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Specific Conductance | 2630 | | 10.0 | 1 | 11/06/2023 12:40 | WG2165214 |

Sample Narrative:

L1673424-02 WG2165214: at 25C

Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------|--------|--------------------|------|----------|----------------------|---------------------------|
| Bromide | ND | | 10.0 | 10 | 11/07/2023 17:59 | WG2164813 |
| Chloride | 31.7 | | 10.0 | 10 | 11/07/2023 17:59 | WG2164813 |
| Fluoride | ND | | 1.50 | 10 | 11/07/2023 17:59 | WG2164813 |
| Nitrate as (N) | 4.65 | T8 | 1.00 | 10 | 11/07/2023 17:59 | WG2164813 |
| Nitrite as (N) | ND | T8 | 1.00 | 10 | 11/07/2023 17:59 | WG2164813 |
| Sulfate | 1130 | | 50.0 | 10 | 11/07/2023 17:59 | WG2164813 |

Sample Narrative:

L1673424-02 WG2164813: Dilution due to matrix interference

Metals (ICP) by Method 6010B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|------------|--------|-----------|---------|----------|----------------------|---------------------------|
| Barium | 0.0650 | | 0.00500 | 1 | 11/06/2023 18:21 | WG2165089 |
| Boron | 0.721 | | 0.200 | 1 | 11/06/2023 18:21 | WG2165089 |
| Calcium | 264 | | 1.00 | 1 | 11/06/2023 18:21 | WG2165089 |
| Iron | 3.75 | | 0.100 | 1 | 11/06/2023 18:21 | WG2165089 |
| Magnesium | 144 | | 1.00 | 1 | 11/06/2023 18:21 | WG2165089 |
| Manganese | 0.150 | | 0.0100 | 1 | 11/06/2023 18:21 | WG2165089 |
| Phosphorus | 0.483 | | 0.250 | 1 | 11/06/2023 18:21 | WG2165089 |
| Potassium | 5.43 | | 2.00 | 1 | 11/06/2023 18:21 | WG2165089 |
| Selenium | ND | | 0.0100 | 1 | 11/06/2023 18:21 | WG2165089 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

ABOVE DAM

Collected date/time: 10/31/23 16:45

SAMPLE RESULTS - 02

L1673424

Metals (ICP) by Method 6010B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|-----------|--------|-----------|--------|----------|----------------------|---------------------------|
| Sodium | 196 | | 3.00 | 1 | 11/06/2023 18:21 | WG2165089 |
| Strontium | 5.96 | | 0.0100 | 1 | 11/06/2023 18:21 | WG2165089 |

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---|--------|-----------|----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | ND | | 0.100 | 1 | 11/05/2023 18:50 | WG2164906 |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 95.5 | | 78.0-120 | | 11/05/2023 18:50 | WG2164906 |

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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|------------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 11/04/2023 11:25 | WG2164482 |
| Toluene | ND | | 0.00100 | 1 | 11/04/2023 11:25 | WG2164482 |
| Ethylbenzene | ND | | 0.00100 | 1 | 11/04/2023 11:25 | WG2164482 |
| Xylenes, Total | ND | | 0.00300 | 1 | 11/04/2023 11:25 | WG2164482 |
| 1,2,4-Trimethylbenzene | ND | | 0.00100 | 1 | 11/04/2023 11:25 | WG2164482 |
| 1,3,5-Trimethylbenzene | ND | | 0.00100 | 1 | 11/04/2023 11:25 | WG2164482 |
| (S) Toluene- <i>d</i> 8 | 112 | | 80.0-120 | | 11/04/2023 11:25 | WG2164482 |
| (S) 4-Bromofluorobenzene | 93.5 | | 77.0-126 | | 11/04/2023 11:25 | WG2164482 |
| (S) 1,2-Dichloroethane- <i>d</i> 4 | 108 | | 70.0-130 | | 11/04/2023 11:25 | WG2164482 |

Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | ND | | 0.100 | 1 | 11/06/2023 16:19 | WG2164739 |
| C28-C36 Motor Oil Range | ND | | 0.100 | 1 | 11/06/2023 16:19 | WG2164739 |
| (S) <i>o</i> -Terphenyl | 79.5 | | 52.0-156 | | 11/06/2023 16:19 | WG2164739 |

MID STREAM

Collected date/time: 10/31/23 17:00

SAMPLE RESULTS - 03

L1673424

Gravimetric Analysis by Method 2540 C-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Dissolved Solids | 2500 | | 50.0 | 1 | 11/04/2023 23:01 | WG2164632 |

1 Cp

2 Tc

Gravimetric Analysis by Method 2540 D-2015

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Suspended Solids | 7.60 | | 2.50 | 1 | 11/05/2023 00:22 | WG2164629 |

3 Ss

4 Cn

Wet Chemistry by Method 9040C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------|--------|--------------------|-----|------------------|---------------------------|-------|
| pH | 7.61 | T8 | 1 | 11/04/2023 12:00 | WG2164461 | |

5 Sr

6 Qc

Sample Narrative:

L1673424-03 WG2164461: 7.61 at 18.5C

7 Gl

Wet Chemistry by Method 9050A

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Specific Conductance | 3070 | | 10.0 | 1 | 11/06/2023 12:40 | WG2165214 |

8 Al

9 Sc

Sample Narrative:

L1673424-03 WG2165214: at 25C

Metals (ICP) by Method 6010B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|------------|--------|-----------|---------|----------|----------------------|---------------------------|
| Barium | 0.0259 | | 0.00500 | 1 | 11/06/2023 18:24 | WG2165089 |
| Boron | 0.806 | | 0.200 | 1 | 11/06/2023 18:24 | WG2165089 |
| Calcium | 259 | | 1.00 | 1 | 11/06/2023 18:24 | WG2165089 |
| Iron | 0.240 | | 0.100 | 1 | 11/06/2023 18:24 | WG2165089 |
| Magnesium | 145 | | 1.00 | 1 | 11/06/2023 18:24 | WG2165089 |
| Manganese | 0.0695 | | 0.0100 | 1 | 11/06/2023 18:24 | WG2165089 |
| Phosphorus | ND | | 0.250 | 1 | 11/06/2023 18:24 | WG2165089 |
| Potassium | 4.55 | | 2.00 | 1 | 11/06/2023 18:24 | WG2165089 |
| Selenium | ND | | 0.0100 | 1 | 11/06/2023 18:24 | WG2165089 |
| Sodium | 267 | | 3.00 | 1 | 11/06/2023 18:24 | WG2165089 |
| Strontium | 6.08 | | 0.0100 | 1 | 11/06/2023 18:24 | WG2165089 |

Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | ND | | 0.100 | 1 | 11/05/2023 19:09 | WG2164906 |
| (S) a,a,a-Trifluorotoluene(FID) | 95.3 | | 78.0-120 | | 11/05/2023 19:09 | WG2164906 |

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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|------------------------|---------|-----------|---------|----------|----------------------|---------------------------|
| Benzene | 0.00121 | | 0.00100 | 1 | 11/04/2023 11:44 | WG2164482 |
| Toluene | 0.00165 | | 0.00100 | 1 | 11/04/2023 11:44 | WG2164482 |
| Ethylbenzene | ND | | 0.00100 | 1 | 11/04/2023 11:44 | WG2164482 |
| Xylenes, Total | ND | | 0.00300 | 1 | 11/04/2023 11:44 | WG2164482 |
| 1,2,4-Trimethylbenzene | ND | | 0.00100 | 1 | 11/04/2023 11:44 | WG2164482 |
| 1,3,5-Trimethylbenzene | ND | | 0.00100 | 1 | 11/04/2023 11:44 | WG2164482 |

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

| Analyte | Result mg/l | Qualifier | RDL mg/l | Dilution | Analysis date / time | Batch |
|---------------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| (S) Toluene-d8 | 106 | | 80.0-120 | | 11/04/2023 11:44 | WG2164482 |
| (S) 4-Bromofluorobenzene | 97.8 | | 77.0-126 | | 11/04/2023 11:44 | WG2164482 |
| (S) 1,2-Dichloroethane-d4 | 111 | | 70.0-130 | | 11/04/2023 11:44 | WG2164482 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result mg/l | Qualifier | RDL mg/l | Dilution | Analysis date / time | Batch |
|-------------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| C10-C28 Diesel Range | ND | | 0.100 | 1 | 11/06/2023 05:57 | WG2164758 |
| C28-C36 Motor Oil Range | ND | | 0.100 | 1 | 11/06/2023 05:57 | WG2164758 |
| (S) o-Terphenyl | 86.5 | | 31.0-160 | | 11/06/2023 05:57 | WG2164758 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Gravimetric Analysis by Method 2540 C-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Dissolved Solids | 1790 | | 50.0 | 1 | 11/04/2023 23:01 | WG2164632 |

Gravimetric Analysis by Method 2540 D-2015

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Suspended Solids | 4.30 | | 2.50 | 1 | 11/05/2023 00:22 | WG2164629 |

Wet Chemistry by Method 2320 B-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|------------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Alkalinity | 275 | | 20.0 | 1 | 11/07/2023 16:14 | WG2164801 |
| Alkalinity,Bicarbonate | 275 | | 20.0 | 1 | 11/07/2023 16:14 | WG2164801 |
| Alkalinity,Carbonate | ND | | 20.0 | 1 | 11/07/2023 16:14 | WG2164801 |

Sample Narrative:

L1673424-04 WG2164801: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9040C

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|---------|--------|--------------------|----------|----------------------|---------------------------|
| pH | 7.78 | T8 | 1 | 11/04/2023 12:00 | WG2164461 |

Sample Narrative:

L1673424-04 WG2164461: 7.78 at 18C

Wet Chemistry by Method 9050A

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Specific Conductance | 2330 | | 10.0 | 1 | 11/06/2023 12:40 | WG2165214 |

Sample Narrative:

L1673424-04 WG2165214: at 25C

Wet Chemistry by Method 9056A

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------|--------|--------------------|------|----------|----------------------|---------------------------|
| Bromide | ND | | 10.0 | 10 | 11/07/2023 18:26 | WG2164813 |
| Chloride | 61.7 | | 10.0 | 10 | 11/07/2023 18:26 | WG2164813 |
| Fluoride | 1.52 | | 1.50 | 10 | 11/07/2023 18:26 | WG2164813 |
| Nitrate as (N) | 6.26 | T8 | 1.00 | 10 | 11/07/2023 18:26 | WG2164813 |
| Nitrite as (N) | ND | T8 | 1.00 | 10 | 11/07/2023 18:26 | WG2164813 |
| Sulfate | 1030 | | 50.0 | 10 | 11/07/2023 18:26 | WG2164813 |

Sample Narrative:

L1673424-04 WG2164813: Dilution due to matrix interference

Metals (ICP) by Method 6010B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------|--------|-----------|---------|----------|----------------------|---------------------------|
| Barium | 0.0264 | | 0.00500 | 1 | 11/06/2023 18:28 | WG2165089 |
| Boron | 0.579 | | 0.200 | 1 | 11/06/2023 18:28 | WG2165089 |
| Calcium | 209 | | 1.00 | 1 | 11/06/2023 18:28 | WG2165089 |
| Iron | 0.138 | | 0.100 | 1 | 11/06/2023 18:28 | WG2165089 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

INLET

Collected date/time: 10/31/23 17:15

SAMPLE RESULTS - 04

L1673424

Metals (ICP) by Method 6010B

| Analyte | Result mg/l | Qualifier | RDL mg/l | Dilution | Analysis date / time | Batch |
|------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Magnesium | 104 | | 1.00 | 1 | 11/06/2023 18:28 | WG2165089 |
| Manganese | 0.0212 | | 0.0100 | 1 | 11/06/2023 18:28 | WG2165089 |
| Phosphorus | ND | | 0.250 | 1 | 11/06/2023 18:28 | WG2165089 |
| Potassium | 3.16 | | 2.00 | 1 | 11/06/2023 18:28 | WG2165089 |
| Selenium | ND | | 0.0100 | 1 | 11/06/2023 18:28 | WG2165089 |
| Sodium | 181 | | 3.00 | 1 | 11/06/2023 18:28 | WG2165089 |
| Strontium | 4.80 | | 0.0100 | 1 | 11/06/2023 18:28 | WG2165089 |

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte | Result mg/l | Qualifier | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| TPH (GC/FID) Low Fraction | ND | | 0.100 | 1 | 11/05/2023 19:28 | WG2164906 |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 95.4 | | 78.0-120 | | 11/05/2023 19:28 | WG2164906 |

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

| Analyte | Result mg/l | Qualifier | RDL mg/l | Dilution | Analysis date / time | Batch |
|----------------------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Benzene | 0.00144 | | 0.00100 | 1 | 11/04/2023 12:03 | WG2164482 |
| Toluene | 0.00168 | | 0.00100 | 1 | 11/04/2023 12:03 | WG2164482 |
| Ethylbenzene | ND | | 0.00100 | 1 | 11/04/2023 12:03 | WG2164482 |
| Xylenes, Total | ND | | 0.00300 | 1 | 11/04/2023 12:03 | WG2164482 |
| 1,2,4-Trimethylbenzene | ND | | 0.00100 | 1 | 11/04/2023 12:03 | WG2164482 |
| 1,3,5-Trimethylbenzene | ND | | 0.00100 | 1 | 11/04/2023 12:03 | WG2164482 |
| (S) <i>Toluene-d8</i> | 106 | | 80.0-120 | | 11/04/2023 12:03 | WG2164482 |
| (S) <i>4-Bromofluorobenzene</i> | 92.8 | | 77.0-126 | | 11/04/2023 12:03 | WG2164482 |
| (S) <i>1,2-Dichloroethane-d4</i> | 113 | | 70.0-130 | | 11/04/2023 12:03 | WG2164482 |

Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte | Result mg/l | Qualifier | RDL mg/l | Dilution | Analysis date / time | Batch |
|-------------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| C10-C28 Diesel Range | ND | | 0.100 | 1 | 11/06/2023 16:38 | WG2164739 |
| C28-C36 Motor Oil Range | ND | | 0.100 | 1 | 11/06/2023 16:38 | WG2164739 |
| (S) <i>o</i> -Terphenyl | 74.2 | | 52.0-156 | | 11/06/2023 16:38 | WG2164739 |

BACKGROUND

Collected date/time: 10/31/23 17:30

SAMPLE RESULTS - 05

L1673424

Gravimetric Analysis by Method 2540 C-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Dissolved Solids | 2390 | | 50.0 | 1 | 11/04/2023 23:01 | WG2164632 |

Gravimetric Analysis by Method 2540 D-2015

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Suspended Solids | 3.30 | | 2.50 | 1 | 11/05/2023 00:22 | WG2164629 |

Wet Chemistry by Method 2320 B-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|------------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Alkalinity | 307 | | 20.0 | 1 | 11/07/2023 16:20 | WG2164801 |
| Alkalinity,Bicarbonate | 307 | | 20.0 | 1 | 11/07/2023 16:20 | WG2164801 |
| Alkalinity,Carbonate | ND | | 20.0 | 1 | 11/07/2023 16:20 | WG2164801 |

Sample Narrative:

L1673424-05 WG2164801: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9040C

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|---------|--------|--------------------|----------|----------------------|---------------------------|
| pH | 8.14 | T8 | 1 | 11/04/2023 12:00 | WG2164461 |

Sample Narrative:

L1673424-05 WG2164461: 8.14 at 18C

Wet Chemistry by Method 9050A

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Specific Conductance | 2850 | | 10.0 | 1 | 11/06/2023 12:40 | WG2165214 |

Sample Narrative:

L1673424-05 WG2165214: at 25C

Wet Chemistry by Method 9056A

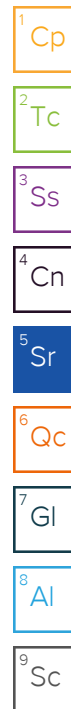
| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------|--------|--------------------|------|----------|----------------------|---------------------------|
| Bromide | ND | | 10.0 | 10 | 11/07/2023 18:54 | WG2164813 |
| Chloride | 16.7 | | 10.0 | 10 | 11/07/2023 18:54 | WG2164813 |
| Fluoride | ND | | 1.50 | 10 | 11/07/2023 18:54 | WG2164813 |
| Nitrate as (N) | ND | T8 | 1.00 | 10 | 11/07/2023 18:54 | WG2164813 |
| Nitrite as (N) | ND | T8 | 1.00 | 10 | 11/07/2023 18:54 | WG2164813 |
| Sulfate | 1230 | | 50.0 | 10 | 11/07/2023 18:54 | WG2164813 |

Sample Narrative:

L1673424-05 WG2164813: Dilution due to matrix interference

Metals (ICP) by Method 6010B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------|--------|-----------|---------|----------|----------------------|---------------------------|
| Barium | 0.0314 | | 0.00500 | 1 | 11/06/2023 18:31 | WG2165089 |
| Boron | 0.474 | | 0.200 | 1 | 11/06/2023 18:31 | WG2165089 |
| Calcium | 259 | | 1.00 | 1 | 11/06/2023 18:31 | WG2165089 |
| Iron | ND | | 0.100 | 1 | 11/06/2023 18:31 | WG2165089 |



BACKGROUND

Collected date/time: 10/31/23 17:30

SAMPLE RESULTS - 05

L1673424

Metals (ICP) by Method 6010B

| Analyte | Result mg/l | Qualifier | RDL mg/l | Dilution | Analysis date / time | Batch |
|------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Magnesium | 200 | | 1.00 | 1 | 11/06/2023 18:31 | WG2165089 |
| Manganese | 0.0273 | | 0.0100 | 1 | 11/06/2023 18:31 | WG2165089 |
| Phosphorus | ND | | 0.250 | 1 | 11/06/2023 18:31 | WG2165089 |
| Potassium | 4.87 | | 2.00 | 1 | 11/06/2023 18:31 | WG2165089 |
| Selenium | ND | | 0.0100 | 1 | 11/06/2023 18:31 | WG2165089 |
| Sodium | 168 | | 3.00 | 1 | 11/06/2023 18:31 | WG2165089 |
| Strontium | 4.86 | | 0.0100 | 1 | 11/06/2023 18:31 | WG2165089 |

Volatile Organic Compounds (GC) by Method 8015D/GRO

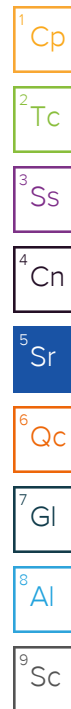
| Analyte | Result mg/l | Qualifier | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| TPH (GC/FID) Low Fraction | ND | | 0.100 | 1 | 11/05/2023 19:47 | WG2164906 |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 96.9 | | 78.0-120 | | 11/05/2023 19:47 | WG2164906 |

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

| Analyte | Result mg/l | Qualifier | RDL mg/l | Dilution | Analysis date / time | Batch |
|----------------------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 11/04/2023 12:23 | WG2164482 |
| Toluene | ND | | 0.00100 | 1 | 11/04/2023 12:23 | WG2164482 |
| Ethylbenzene | ND | | 0.00100 | 1 | 11/04/2023 12:23 | WG2164482 |
| Xylenes, Total | ND | | 0.00300 | 1 | 11/04/2023 12:23 | WG2164482 |
| 1,2,4-Trimethylbenzene | ND | | 0.00100 | 1 | 11/04/2023 12:23 | WG2164482 |
| 1,3,5-Trimethylbenzene | ND | | 0.00100 | 1 | 11/04/2023 12:23 | WG2164482 |
| (S) <i>Toluene-d8</i> | 110 | | 80.0-120 | | 11/04/2023 12:23 | WG2164482 |
| (S) <i>4-Bromofluorobenzene</i> | 87.4 | | 77.0-126 | | 11/04/2023 12:23 | WG2164482 |
| (S) <i>1,2-Dichloroethane-d4</i> | 111 | | 70.0-130 | | 11/04/2023 12:23 | WG2164482 |

Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte | Result mg/l | Qualifier | RDL mg/l | Dilution | Analysis date / time | Batch |
|-------------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| C10-C28 Diesel Range | ND | | 0.100 | 1 | 11/06/2023 16:58 | WG2164739 |
| C28-C36 Motor Oil Range | ND | | 0.100 | 1 | 11/06/2023 16:58 | WG2164739 |
| (S) <i>o</i> -Terphenyl | 81.6 | | 52.0-156 | | 11/06/2023 16:58 | WG2164739 |



Method Blank (MB)

(MB) R3996102-1 11/04/23 23:01

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

L1671918-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1671918-07 11/04/23 23:01 • (DUP) R3996102-3 11/04/23 23:01

| | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|------------------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte | mg/l | mg/l | | % | | % |
| Dissolved Solids | 563 | 591 | 1 | 4.85 | | 5 |

L1671963-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1671963-01 11/04/23 23:01 • (DUP) R3996102-4 11/04/23 23:01

| | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|------------------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte | mg/l | mg/l | | % | | % |
| Dissolved Solids | 3970 | 3970 | 1 | 0.000 | | 5 |

Laboratory Control Sample (LCS)

(LCS) R3996102-2 11/04/23 23:01

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | <u>LCS Qualifier</u> |
|------------------|--------------|------------|----------|-------------|----------------------|
| Analyte | mg/l | mg/l | % | % | |
| Dissolved Solids | 8800 | 8950 | 102 | 85.0-115 | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3995663-1 11/05/23 00:22

| | MB Result | MB Qualifier | MB MDL | MB RDL |
|------------------|-----------|--------------|--------|--------|
| Analyte | mg/l | | mg/l | mg/l |
| Suspended Solids | U | | 2.50 | 2.50 |

L1672274-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1672274-01 11/05/23 00:22 • (DUP) R3995663-3 11/05/23 00:22

| | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/l | mg/l | | % | | % |
| Suspended Solids | 122 | 125 | 1 | 2.43 | | 5 |

L1672315-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1672315-01 11/05/23 00:22 • (DUP) R3995663-4 11/05/23 00:22

| | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/l | mg/l | | % | | % |
| Suspended Solids | 80.0 | 82.0 | 1 | 2.47 | | 5 |

Laboratory Control Sample (LCS)

(LCS) R3995663-2 11/05/23 00:22

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|------------------|--------------|------------|----------|-------------|---------------|
| Analyte | mg/l | mg/l | % | % | |
| Suspended Solids | 773 | 788 | 102 | 85.0-115 | |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3996712-2 11/07/23 13:57

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|------------------------|-------------------|--------------|----------------|----------------|
| Alkalinity | U | | 8.45 | 20.0 |
| Alkalinity,Bicarbonate | U | | 8.45 | 20.0 |
| Alkalinity,Carbonate | U | | 8.45 | 20.0 |

Sample Narrative:
BLANK: Endpoint pH 4.5

L1672015-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1672015-01 11/07/23 14:07 • (DUP) R3996712-3 11/07/23 14:13

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|------------------------|-------------------------|--------------------|----------|--------------|---------------|------------------------|
| Alkalinity | 146 | 148 | 1 | 1.42 | | 20 |
| Alkalinity,Bicarbonate | 146 | 148 | 1 | 1.42 | | 20 |
| Alkalinity,Carbonate | ND | ND | 1 | 0.000 | | 20 |

Sample Narrative:
OS: Endpoint pH 4.5 Headspace
DUP: Endpoint pH 4.5

Original Sample (OS) • Duplicate (DUP)

(OS) • (DUP) R3996712-4 11/07/23 16:08

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|------------------------|-------------------------|--------------------|----------|--------------|---------------|------------------------|
| Alkalinity | | 285 | 1 | 0.641 | | 20 |
| Alkalinity,Bicarbonate | | 285 | 1 | 0.641 | | 20 |
| Alkalinity,Carbonate | | ND | 1 | 0.000 | | 20 |

Sample Narrative:
DUP: Endpoint pH 4.5

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R3996712-1 11/07/23 13:51

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | <u>LCS Qualifier</u> |
|------------|----------------------|--------------------|---------------|------------------|----------------------|
| Alkalinity | 100 | 96.8 | 96.8 | 90.0-110 | |

Sample Narrative:

LCS: Endpoint pH 4.5

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1671380-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1671380-02 11/04/23 12:00 • (DUP) R3995426-2 11/04/23 12:00

| | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | su | su | | % | | % |
| pH | 7.53 | 7.56 | 1 | 0.398 | | 1 |

Sample Narrative:
OS: 7.53 at 19.1C
DUP: 7.56 at 19.6C

L1673523-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1673523-01 11/04/23 12:00 • (DUP) R3995426-3 11/04/23 12:00

| | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | su | su | | % | | % |
| pH | 7.42 | 7.36 | 1 | 0.812 | | 1 |

Sample Narrative:
OS: 7.42 at 23C
DUP: 7.36 at 23C

Laboratory Control Sample (LCS)

(LCS) R3995426-1 11/04/23 12:00

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------|--------------|------------|----------|-------------|---------------|
| Analyte | su | su | % | % | |
| pH | 10.0 | 10.0 | 100 | 99.0-101 | |

Sample Narrative:
LCS: 10.01 at 20.3C

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3996003-1 11/06/23 12:40

| Analyte | MB Result umhos/cm | MB Qualifier | MB MDL umhos/cm | MB RDL umhos/cm |
|----------------------|-----------------------|--------------|--------------------|--------------------|
| Specific Conductance | U | | 10.0 | 10.0 |

Sample Narrative:
BLANK: at 25C

L1671335-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1671335-01 11/06/23 12:40 • (DUP) R3996003-3 11/06/23 12:40

| Analyte | Original Result umhos/cm | DUP Result umhos/cm | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------------------|-----------------------------|------------------------|----------|--------------|---------------|------------------------|
| Specific Conductance | 42000 | 41900 | 1 | 0.238 | | 20 |

Sample Narrative:
OS: at 25C
DUP: at 25C

Original Sample (OS) • Duplicate (DUP)

(OS) • (DUP) R3996003-4 11/06/23 12:40

| Analyte | Original Result umhos/cm | DUP Result umhos/cm | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------------------|-----------------------------|------------------------|----------|--------------|---------------|------------------------|
| Specific Conductance | | 2840 | 1 | 0.281 | | 20 |

Sample Narrative:
DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R3996003-2 11/06/23 12:40

| Analyte | Spike Amount umhos/cm | LCS Result umhos/cm | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------|--------------------------|------------------------|---------------|------------------|---------------|
| Specific Conductance | 327 | 340 | 104 | 85.0-115 | |

Sample Narrative:
LCS: at 25C

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3996930-1 11/07/23 09:21

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|----------------|-------------------|--------------|----------------|----------------|
| Bromide | 0.677 | ⌋ | 0.353 | 1.00 |
| Chloride | U | | 0.379 | 1.00 |
| Fluoride | U | | 0.0640 | 0.150 |
| Nitrate as (N) | U | | 0.0480 | 0.100 |
| Nitrite as (N) | 0.0572 | ⌋ | 0.0420 | 0.100 |
| Sulfate | U | | 0.594 | 5.00 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1671811-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1671811-01 11/07/23 13:10 • (DUP) R3996930-3 11/07/23 13:24

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------------|-------------------------|--------------------|----------|--------------|---------------|------------------------|
| Bromide | ND | ND | 1 | 0.000 | | 15 |
| Chloride | 1.89 | 1.88 | 1 | 0.912 | | 15 |
| Fluoride | ND | ND | 1 | 200 | P1 | 15 |
| Nitrate as (N) | 0.332 | 0.330 | 1 | 0.755 | | 15 |
| Nitrite as (N) | ND | ND | 1 | 0.348 | | 15 |
| Sulfate | 43.6 | 44.0 | 1 | 0.865 | | 15 |

L1673793-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1673793-01 11/07/23 19:21 • (DUP) R3996930-6 11/07/23 20:02

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------------|-------------------------|--------------------|----------|--------------|---------------|------------------------|
| Bromide | ND | ND | 1 | 0.951 | | 15 |
| Chloride | 16.3 | 16.0 | 1 | 2.08 | | 15 |
| Fluoride | 0.518 | 0.481 | 1 | 7.39 | | 15 |
| Nitrate as (N) | 0.211 | 0.208 | 1 | 1.48 | | 15 |
| Nitrite as (N) | ND | ND | 1 | 0.000 | | 15 |
| Sulfate | 26.8 | 26.4 | 1 | 1.40 | | 15 |

Laboratory Control Sample (LCS)

(LCS) R3996930-2 11/07/23 09:35

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | <u>LCS Qualifier</u> |
|----------------|----------------------|--------------------|---------------|------------------|----------------------|
| Bromide | 40.0 | 40.2 | 100 | 80.0-120 | |
| Chloride | 40.0 | 40.5 | 101 | 80.0-120 | |
| Fluoride | 8.00 | 8.03 | 100 | 80.0-120 | |
| Nitrate as (N) | 8.00 | 7.80 | 97.5 | 80.0-120 | |
| Nitrite as (N) | 8.00 | 8.54 | 107 | 80.0-120 | |
| Sulfate | 40.0 | 40.4 | 101 | 80.0-120 | |

L1671811-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1671811-01 11/07/23 13:10 • (MS) R3996930-4 11/07/23 13:38 • (MSD) R3996930-5 11/07/23 13:52

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | <u>MS Qualifier</u> | <u>MSD Qualifier</u> | RPD % | RPD Limits % |
|----------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|---------------------|----------------------|----------|-----------------|
| Bromide | 40.0 | ND | 36.5 | 36.3 | 91.3 | 90.7 | 1 | 80.0-120 | | | 0.608 | 15 |
| Chloride | 40.0 | 1.89 | 41.1 | 40.9 | 98.0 | 97.6 | 1 | 80.0-120 | | | 0.385 | 15 |
| Fluoride | 8.00 | ND | 8.02 | 8.00 | 100 | 100 | 1 | 80.0-120 | | | 0.296 | 15 |
| Nitrate as (N) | 8.00 | 0.332 | 7.80 | 7.72 | 93.4 | 92.3 | 1 | 80.0-120 | | | 1.12 | 15 |
| Nitrite as (N) | 8.00 | ND | 8.33 | 8.30 | 103 | 103 | 1 | 80.0-120 | | | 0.357 | 15 |
| Sulfate | 40.0 | 43.6 | 74.8 | 74.8 | 78.1 | 78.1 | 1 | 80.0-120 | J6 | J6 | 0.0333 | 15 |

L1673793-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1673793-01 11/07/23 19:21 • (MS) R3996930-7 11/07/23 20:16

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MS Rec. % | Dilution | Rec. Limits % | <u>MS Qualifier</u> |
|----------------|----------------------|-------------------------|-------------------|--------------|----------|------------------|---------------------|
| Bromide | 40.0 | ND | 39.8 | 97.8 | 1 | 80.0-120 | |
| Chloride | 40.0 | 16.3 | 53.8 | 93.6 | 1 | 80.0-120 | |
| Fluoride | 8.00 | 0.518 | 8.63 | 101 | 1 | 80.0-120 | |
| Nitrate as (N) | 8.00 | 0.211 | 8.13 | 99.0 | 1 | 80.0-120 | |
| Nitrite as (N) | 8.00 | ND | 8.50 | 106 | 1 | 80.0-120 | |
| Sulfate | 40.0 | 26.8 | 63.0 | 90.4 | 1 | 80.0-120 | |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3996113-1 11/06/23 16:30

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|------------|-------------------|--------------|----------------|----------------|
| Barium | 0.00137 | U | 0.000736 | 0.00500 |
| Boron | U | | 0.0200 | 0.200 |
| Calcium | U | | 0.0793 | 1.00 |
| Iron | U | | 0.0180 | 0.100 |
| Magnesium | U | | 0.0853 | 1.00 |
| Manganese | U | | 0.000934 | 0.0100 |
| Phosphorus | U | | 0.0183 | 0.250 |
| Potassium | U | | 0.261 | 2.00 |
| Selenium | U | | 0.00735 | 0.0100 |
| Sodium | U | | 0.504 | 3.00 |
| Strontium | U | | 0.000640 | 0.0100 |

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Laboratory Control Sample (LCS)

(LCS) R3996113-2 11/06/23 16:33

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------|----------------------|--------------------|---------------|------------------|---------------|
| Barium | 1.00 | 1.00 | 100 | 80.0-120 | |
| Boron | 1.00 | 0.974 | 97.4 | 80.0-120 | |
| Calcium | 10.0 | 9.82 | 98.2 | 80.0-120 | |
| Iron | 10.0 | 9.78 | 97.8 | 80.0-120 | |
| Magnesium | 10.0 | 9.44 | 94.4 | 80.0-120 | |
| Manganese | 1.00 | 0.968 | 96.8 | 80.0-120 | |
| Phosphorus | 1.00 | 0.951 | 95.1 | 80.0-120 | |
| Potassium | 10.0 | 9.32 | 93.2 | 80.0-120 | |
| Selenium | 1.00 | 0.942 | 94.2 | 80.0-120 | |
| Sodium | 10.0 | 9.95 | 99.5 | 80.0-120 | |
| Strontium | 1.00 | 0.981 | 98.1 | 80.0-120 | |

L1673836-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1673836-01 11/06/23 16:36 • (MS) R3996113-4 11/06/23 16:41 • (MSD) R3996113-5 11/06/23 16:44

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|-----------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Barium | 1.00 | ND | 1.03 | 1.03 | 103 | 103 | 1 | 75.0-125 | | | 0.0559 | 20 |
| Boron | 1.00 | ND | 0.991 | 0.993 | 99.1 | 99.3 | 1 | 75.0-125 | | | 0.216 | 20 |
| Calcium | 10.0 | ND | 10.1 | 10.1 | 101 | 101 | 1 | 75.0-125 | | | 0.0321 | 20 |
| Iron | 10.0 | ND | 10.0 | 10.0 | 99.7 | 99.8 | 1 | 75.0-125 | | | 0.0500 | 20 |
| Magnesium | 10.0 | ND | 9.70 | 9.72 | 97.0 | 97.2 | 1 | 75.0-125 | | | 0.203 | 20 |

L1673836-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1673836-01 11/06/23 16:36 • (MS) R3996113-4 11/06/23 16:41 • (MSD) R3996113-5 11/06/23 16:44

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Manganese | 1.00 | ND | 0.992 | 0.994 | 99.2 | 99.4 | 1 | 75.0-125 | | | 0.167 | 20 |
| Phosphorus | 1.00 | ND | 1.02 | 1.00 | 102 | 100 | 1 | 75.0-125 | | | 1.67 | 20 |
| Potassium | 10.0 | ND | 9.38 | 9.47 | 93.8 | 94.7 | 1 | 75.0-125 | | | 0.949 | 20 |
| Selenium | 1.00 | ND | 0.963 | 0.963 | 96.3 | 96.3 | 1 | 75.0-125 | | | 0.0136 | 20 |
| Sodium | 10.0 | ND | 10.1 | 10.1 | 101 | 101 | 1 | 75.0-125 | | | 0.566 | 20 |
| Strontium | 1.00 | ND | 1.00 | 1.00 | 100 | 100 | 1 | 75.0-125 | | | 0.448 | 20 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3996215-2 11/05/23 16:16

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|------------------------------------|-------------------|--------------|----------------|----------------|
| TPH (GC/FID) Low Fraction | U | | 0.0314 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 97.5 | | | 78.0-120 |

Laboratory Control Sample (LCS)

(LCS) R3996215-1 11/05/23 15:37

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|----------------------|--------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction | 5.50 | 5.25 | 95.5 | 72.0-127 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 100 | 78.0-120 | |

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) • (MS) R3996215-3 11/06/23 02:35 • (MSD) R3996215-4 11/06/23 02:54

| Analyte | Spike Amount mg/l | Original Result | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|------------------------------------|----------------------|-----------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| TPH (GC/FID) Low Fraction | 5.50 | | 5.24 | 5.04 | 95.3 | 91.6 | 1 | 10.0-160 | | | 3.89 | 22 |
| (S) a,a,a-Trifluorotoluene(FID) | | | | | 99.0 | 99.3 | | 78.0-120 | | | | |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3996278-3 11/04/23 10:19

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL 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 |
| 1,2,4-Trimethylbenzene | U | | 0.000322 | 0.00100 |
| 1,3,5-Trimethylbenzene | U | | 0.000104 | 0.00100 |
| (S) Toluene-d8 | 110 | | | 80.0-120 |
| (S) 4-Bromofluorobenzene | 87.2 | | | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 107 | | | 70.0-130 |

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

(LCS) R3996278-1 11/04/23 09:21 • (LCSD) R3996278-2 11/04/23 09:40

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCSD Result mg/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Benzene | 0.00500 | 0.00474 | 0.00478 | 94.8 | 95.6 | 70.0-123 | | | 0.840 | 20 |
| Toluene | 0.00500 | 0.00514 | 0.00515 | 103 | 103 | 79.0-120 | | | 0.194 | 20 |
| Ethylbenzene | 0.00500 | 0.00499 | 0.00510 | 99.8 | 102 | 79.0-123 | | | 2.18 | 20 |
| Xylenes, Total | 0.0150 | 0.0147 | 0.0147 | 98.0 | 98.0 | 79.0-123 | | | 0.000 | 20 |
| 1,2,4-Trimethylbenzene | 0.00500 | 0.00469 | 0.00475 | 93.8 | 95.0 | 76.0-121 | | | 1.27 | 20 |
| 1,3,5-Trimethylbenzene | 0.00500 | 0.00516 | 0.00489 | 103 | 97.8 | 76.0-122 | | | 5.37 | 20 |
| (S) Toluene-d8 | | | | 105 | 108 | 80.0-120 | | | | |
| (S) 4-Bromofluorobenzene | | | | 98.6 | 95.6 | 77.0-126 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | 105 | 105 | 70.0-130 | | | | |

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R3996350-1 11/06/23 14:59

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|-------------------------|-------------------|--------------|----------------|----------------|
| C10-C28 Diesel Range | U | | 0.0222 | 0.100 |
| C28-C36 Motor Oil Range | U | | 0.0118 | 0.100 |
| (S) o-Terphenyl | 90.0 | | | 52.0-156 |

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

(LCS) R3996350-2 11/06/23 15:18 • (LCSD) R3996350-3 11/06/23 15:38

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCSD Result mg/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|----------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| C10-C28 Diesel Range | 1.50 | 1.54 | 1.36 | 103 | 90.7 | 50.0-150 | | | 12.4 | 20 |
| (S) o-Terphenyl | | | | 92.0 | 87.5 | 52.0-156 | | | | |

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

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.

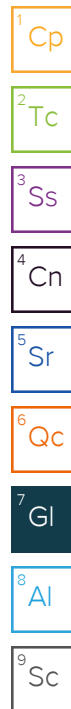
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location.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

Abbreviations and Definitions

| | |
|------------------------------|--|
| MDL | Method Detection Limit. |
| ND | Not detected at the Reporting Limit (or MDL where applicable). |
| 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. |
| J6 | The sample matrix interfered with the ability to make any accurate determination; spike value is low. |
| P1 | RPD value not applicable for sample concentrations less than 5 times the reporting limit. |
| T8 | Sample(s) received past/too close to holding time expiration. |



ACCREDITATIONS & LOCATIONS

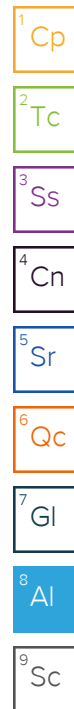
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

| | | | |
|--------------------------------|-------------|-----------------------------|------------------|
| 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 ¹ | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina ¹ | DW21704 |
| Georgia | NELAP | North Carolina ³ | 41 |
| Georgia ¹ | 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 ^{1 6} | KY90010 | South Carolina | 84004002 |
| Kentucky ² | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee ^{1 4} | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas ⁵ | 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 ⁵ | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA--Crypto | TN00003 | | |

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ 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.



11/3 NCF-L1673424 PROENECRCO

R5

Time estimate: oh

Time spent: oh

Members



Nicolle Faulk (responsible)



Chris Ward

Due on 10 November 2023 5:00 PM for target Done

- ☒ Login Clarification needed
- ☐ Chain of custody is incomplete
- ☐ Please specify Metals requested
- ☐ Please specify TCLP requested
- ☐ Received additional samples not listed on COC
- ☐ Sample IDs on containers do not match IDs on COC
- ☐ Client did not "X" analysis
- ☐ Chain of Custody is missing
- ☐ If no COC: Received by: _____
- ☐ If no COC: Date/Time: _____
- ☐ If no COC: Temp./Cont.Rec./pH: _____
- ☐ If no COC: Carrier: _____
- ☐ If no COC: Tracking #: _____
- ☐ Client informed by call
- ☐ Client informed by Email
- ☐ Client informed by Voicemail
- ☐ Date/Time: _____
- ☐ PM initials: _____
- ☐ Client Contact: _____

Comments

| | |
|---|-------------------------|
| Nicolle Faulk | 3 November 2023 2:44 PM |
| on ID: Mid stream (-O3), we received 2 vials broken. 1 vial for V826o & other for GRO remains. Logged DRO and sent a 1L-amb for the DRO analysis. Please advise | |
| Chris Ward | 3 November 2023 3:14 PM |
| Please note limited volume and proceed | |
| Nicolle Faulk | 3 November 2023 3:31 PM |
| done | |