

Entrada Consulting Group

Sample Delivery Group: L1461902

Samples Received: 02/16/2022

Project Number:

Description: 697-16D Spill

Report To:

Stuart Hall

240 Mesa Avenue

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 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 | 4 |
| Sr: Sample Results | 5 |
| 20220215-697-16D-POR-(0-6') L1461902-01 | 5 |
| Qc: Quality Control Summary | 7 |
| Wet Chemistry by Method 7199 | 7 |
| Wet Chemistry by Method 9045D | 9 |
| Wet Chemistry by Method 9050AMod | 10 |
| Metals (ICP) by Method 6010B | 11 |
| Metals (ICP) by Method 6010B-NE493 Ch 2 | 13 |
| Metals (ICPMS) by Method 6020 | 14 |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | 15 |
| Volatile Organic Compounds (GC/MS) by Method 8260B | 16 |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | 18 |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM | 19 |
| Gl: Glossary of Terms | 22 |
| Al: Accreditations & Locations | 23 |
| Sc: Sample Chain of Custody | 24 |



SAMPLE SUMMARY

20220215-697-16D-POR-(0-6') L1461902-01 Solid

Collected by
J. McLarty

Collected date/time
02/15/22 11:30

Received date/time
02/16/22 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results | WG1820574 | 1 | 02/22/22 11:54 | 02/22/22 11:54 | ZSA | Mt. Juliet, TN |
| Wet Chemistry by Method 7199 | WG1819506 | 1 | 02/17/22 17:48 | 02/24/22 22:38 | JER | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D | WG1819443 | 1 | 02/17/22 08:00 | 02/17/22 11:00 | GI | Mt. Juliet, TN |
| Wet Chemistry by Method 9050AMod | WG1817531 | 1 | 02/17/22 04:39 | 02/17/22 10:27 | ARD | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1819342 | 1 | 02/17/22 09:16 | 02/19/22 20:49 | ZSA | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B-NE493 Ch 2 | WG1822157 | 1 | 02/22/22 20:52 | 02/23/22 09:39 | CCE | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020 | WG1819845 | 5 | 02/17/22 17:01 | 02/19/22 11:58 | JPD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1820135 | 5000 | 02/16/22 19:14 | 02/18/22 14:45 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1819298 | 40 | 02/16/22 19:14 | 02/16/22 23:03 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1820598 | 200 | 02/16/22 19:14 | 02/19/22 23:56 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG1821904 | 20 | 02/22/22 20:58 | 02/23/22 08:33 | JAS | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG1821904 | 5 | 02/22/22 20:58 | 02/23/22 06:00 | JAS | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM | WG1821529 | 1 | 02/21/22 23:58 | 02/22/22 14:27 | LEA | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM | WG1821529 | 20 | 02/21/22 23:58 | 02/22/22 18:13 | LEA | 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.



Chris Ward
Project Manager



Calculated Results

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 40.7 | | 1 | 02/22/2022 11:54 | WG1820574 |

Wet Chemistry by Method 7199

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Hexavalent Chromium | U | | 0.255 | 1.00 | 1 | 02/24/2022 22:38 | WG1819506 |

Wet Chemistry by Method 9045D

| Analyte | Result su | Qualifier | Dilution | Analysis date / time | Batch |
|---------|-----------|--------------------|----------|----------------------|---------------------------|
| pH | 8.38 | T8 | 1 | 02/17/2022 11:00 | WG1819443 |

Sample Narrative:

L1461902-01 WG1819443: 8.38 at 20.2C

Wet Chemistry by Method 9050AMod

| Analyte | Result umhos/cm | Qualifier | RDL umhos/cm | Dilution | Analysis date / time | Batch |
|----------------------|-----------------|-----------|--------------|----------|----------------------|---------------------------|
| Specific Conductance | 1310 | | 10.0 | 1 | 02/17/2022 10:27 | WG1817531 |

Sample Narrative:

L1461902-01 WG1817531: at 25C

Metals (ICP) by Method 6010B

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------|-------------------|-----------|-----------|----------|----------------------|---------------------------|
| Barium | 497 | | 0.0852 | 0.500 | 1 | 02/19/2022 20:49 | WG1819342 |
| Cadmium | 0.249 | J | 0.0471 | 0.500 | 1 | 02/19/2022 20:49 | WG1819342 |
| Copper | 23.9 | | 0.400 | 2.00 | 1 | 02/19/2022 20:49 | WG1819342 |
| Lead | 12.7 | | 0.208 | 0.500 | 1 | 02/19/2022 20:49 | WG1819342 |
| Nickel | 17.7 | | 0.132 | 2.00 | 1 | 02/19/2022 20:49 | WG1819342 |
| Selenium | U | | 0.764 | 2.00 | 1 | 02/19/2022 20:49 | WG1819342 |
| Silver | U | | 0.127 | 1.00 | 1 | 02/19/2022 20:49 | WG1819342 |
| Zinc | 98.1 | | 0.832 | 5.00 | 1 | 02/19/2022 20:49 | WG1819342 |

Metals (ICP) by Method 6010B-NE493 Ch 2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|----------------------|-------------|-----------|----------|----------|----------|----------------------|---------------------------|
| Hot Water Sol. Boron | 0.660 | | 0.0167 | 0.200 | 1 | 02/23/2022 09:39 | WG1822157 |

Metals (ICPMS) by Method 6020

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Arsenic | 15.5 | | 0.100 | 1.00 | 5 | 02/19/2022 11:58 | WG1819845 |

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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|--|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 5310 | | 109 | 500 | 5000 | 02/18/2022 14:45 | WG1820135 |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 86.3 | | | 77.0-120 | | 02/18/2022 14:45 | WG1820135 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|-----------------|-----------|--------------|--------------|----------|-------------------------|---------------------------|
| Benzene | 5.79 | | 0.0187 | 0.0400 | 40 | 02/16/2022 23:03 | WG1819298 |
| Toluene | 94.0 | | 0.0520 | 0.200 | 40 | 02/16/2022 23:03 | WG1819298 |
| Ethylbenzene | 15.3 | | 0.0295 | 0.100 | 40 | 02/16/2022 23:03 | WG1819298 |
| Xylenes, Total | 646 | | 0.176 | 1.30 | 200 | 02/19/2022 23:56 | WG1820598 |
| Naphthalene | 6.18 | | 0.195 | 0.500 | 40 | 02/16/2022 23:03 | WG1819298 |
| 1,2,4-Trimethylbenzene | 54.5 | | 0.0632 | 0.200 | 40 | 02/16/2022 23:03 | WG1819298 |
| 1,3,5-Trimethylbenzene | 50.3 | | 0.0800 | 0.200 | 40 | 02/16/2022 23:03 | WG1819298 |
| (S) Toluene-d8 | 92.1 | | | 75.0-131 | | 02/16/2022 23:03 | WG1819298 |
| (S) Toluene-d8 | 101 | | | 75.0-131 | | 02/19/2022 23:56 | WG1820598 |
| (S) 4-Bromofluorobenzene | 110 | | | 67.0-138 | | 02/16/2022 23:03 | WG1819298 |
| (S) 4-Bromofluorobenzene | 106 | | | 67.0-138 | | 02/19/2022 23:56 | WG1820598 |
| (S) 1,2-Dichloroethane-d4 | 120 | | | 70.0-130 | | 02/16/2022 23:03 | WG1819298 |
| (S) 1,2-Dichloroethane-d4 | 106 | | | 70.0-130 | | 02/19/2022 23:56 | WG1820598 |

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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|-------------------------|-----------------|--------------------|--------------|--------------|----------|-------------------------|---------------------------|
| C10-C28 Diesel Range | 2000 | | 32.2 | 80.0 | 20 | 02/23/2022 08:33 | WG1821904 |
| C28-C36 Motor Oil Range | 284 | | 1.37 | 20.0 | 5 | 02/23/2022 06:00 | WG1821904 |
| (S) o-Terphenyl | 0.000 | J7 | | 18.0-148 | | 02/23/2022 08:33 | WG1821904 |
| (S) o-Terphenyl | 40.2 | | | 18.0-148 | | 02/23/2022 06:00 | WG1821904 |

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------|-----------------------|--------------|--------------|----------|-------------------------|---------------------------|
| Anthracene | 0.0191 | | 0.00230 | 0.00600 | 1 | 02/22/2022 14:27 | WG1821529 |
| Acenaphthene | U | J3 J5 | 0.00209 | 0.00600 | 1 | 02/22/2022 14:27 | WG1821529 |
| Acenaphthylene | U | | 0.00216 | 0.00600 | 1 | 02/22/2022 14:27 | WG1821529 |
| Benzo(a)anthracene | U | | 0.00173 | 0.00600 | 1 | 02/22/2022 14:27 | WG1821529 |
| Benzo(a)pyrene | U | | 0.00179 | 0.00600 | 1 | 02/22/2022 14:27 | WG1821529 |
| Benzo(b)fluoranthene | U | | 0.00153 | 0.00600 | 1 | 02/22/2022 14:27 | WG1821529 |
| Benzo(g,h,i)perylene | U | | 0.00177 | 0.00600 | 1 | 02/22/2022 14:27 | WG1821529 |
| Benzo(k)fluoranthene | U | | 0.00215 | 0.00600 | 1 | 02/22/2022 14:27 | WG1821529 |
| Chrysene | 0.00296 | J | 0.00232 | 0.00600 | 1 | 02/22/2022 14:27 | WG1821529 |
| Dibenz(a,h)anthracene | U | | 0.00172 | 0.00600 | 1 | 02/22/2022 14:27 | WG1821529 |
| Fluoranthene | 0.00363 | J | 0.00227 | 0.00600 | 1 | 02/22/2022 14:27 | WG1821529 |
| Fluorene | 0.189 | J3 J5 | 0.00205 | 0.00600 | 1 | 02/22/2022 14:27 | WG1821529 |
| Indeno(1,2,3-cd)pyrene | U | | 0.00181 | 0.00600 | 1 | 02/22/2022 14:27 | WG1821529 |
| Naphthalene | 3.14 | V | 0.00408 | 0.0200 | 1 | 02/22/2022 14:27 | WG1821529 |
| Phenanthrene | 0.127 | J3 J5 | 0.00231 | 0.00600 | 1 | 02/22/2022 14:27 | WG1821529 |
| Pyrene | 0.00611 | | 0.00200 | 0.00600 | 1 | 02/22/2022 14:27 | WG1821529 |
| 1-Methylnaphthalene | 2.26 | J3 V | 0.00449 | 0.0200 | 1 | 02/22/2022 14:27 | WG1821529 |
| 2-Methylnaphthalene | 6.07 | J3 V | 0.0854 | 0.400 | 20 | 02/22/2022 18:13 | WG1821529 |
| 2-Chloronaphthalene | U | | 0.00466 | 0.0200 | 1 | 02/22/2022 14:27 | WG1821529 |
| (S) p-Terphenyl-d14 | 86.6 | J7 | | 23.0-120 | | 02/22/2022 18:13 | WG1821529 |
| (S) p-Terphenyl-d14 | 90.7 | | | 23.0-120 | | 02/22/2022 14:27 | WG1821529 |
| (S) Nitrobenzene-d5 | 0.000 | J2 | | 14.0-149 | | 02/22/2022 14:27 | WG1821529 |
| (S) Nitrobenzene-d5 | 0.000 | J7 | | 14.0-149 | | 02/22/2022 18:13 | WG1821529 |
| (S) 2-Fluorobiphenyl | 100 | | | 34.0-125 | | 02/22/2022 14:27 | WG1821529 |
| (S) 2-Fluorobiphenyl | 91.1 | J7 | | 34.0-125 | | 02/22/2022 18:13 | WG1821529 |

Sample Narrative:

L1461902-01 WG1821529: Surrogate failure due to matrix interference

Method Blank (MB)

(MB) R3765483-1 02/24/22 19:57

| | MB Result | MB Qualifier | MB MDL | MB RDL |
|---------------------|-----------|--------------|--------|--------|
| Analyte | mg/kg | | mg/kg | mg/kg |
| Hexavalent Chromium | U | | 0.255 | 1.00 |

L1460840-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1460840-05 02/24/22 20:08 • (DUP) R3765483-3 02/24/22 20:13

| | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/kg | mg/kg | | % | | % |
| Hexavalent Chromium | U | U | 1 | 0.000 | | 20 |

L1460962-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1460962-03 02/24/22 21:20 • (DUP) R3765483-4 02/24/22 21:26

| | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/kg | mg/kg | | % | | % |
| Hexavalent Chromium | U | U | 1 | 0.000 | | 20 |

Laboratory Control Sample (LCS)

(LCS) R3765483-2 02/24/22 20:03

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------------------|--------------|------------|----------|-------------|---------------|
| Analyte | mg/kg | mg/kg | % | % | |
| Hexavalent Chromium | 10.0 | 9.88 | 98.8 | 80.0-120 | |

L1461772-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1461772-01 02/24/22 22:02 • (MS) R3765483-7 02/24/22 22:17

| | Spike Amount | Original Result | MS Result | MS Rec. | Dilution | Rec. Limits | MS Qualifier |
|---------------------|--------------|-----------------|-----------|---------|----------|-------------|--------------|
| Analyte | mg/kg | mg/kg | mg/kg | % | | % | |
| Hexavalent Chromium | 641 | U | U | 0.000 | 50 | 75.0-125 | J6 |

Sample Narrative:

OS: Sample is a reducer.

MS: Sample is a reducer.



L1461772-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1461772-01 02/24/22 22:02 • (MS) R3765483-5 02/24/22 22:07 • (MSD) R3765483-6 02/24/22 22:12

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Hexavalent Chromium | 20.0 | U | U | U | 0.000 | 0.000 | 1 | 75.0-125 | J6 | J6 | 0.000 | 20 |

Sample Narrative:

- OS: Sample is a reducer.
- MS: Sample is a reducer.
- MSD: Sample is a reducer.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1461902-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1461902-01 02/17/22 11:00 • (DUP) R3760988-2 02/17/22 11:00

| | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte | su | su | | % | | % |
| pH | 8.38 | 8.42 | 1 | 0.476 | | 1 |

Sample Narrative:

OS: 8.38 at 20.2C

DUP: 8.42 at 20.6C

L1462056-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1462056-01 02/17/22 11:00 • (DUP) R3760988-3 02/17/22 11:00

| | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte | su | su | | % | | % |
| pH | 8.54 | 8.53 | 1 | 0.117 | | 1 |

Sample Narrative:

OS: 8.54 at 20.2C

DUP: 8.53 at 20.2C

Laboratory Control Sample (LCS)

(LCS) R3760988-1 02/17/22 11:00

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

Sample Narrative:

LCS: 10.02 at 19.6C



Method Blank (MB)

(MB) R3760964-1 02/17/22 10:27

| 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

L1460758-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1460758-02 02/17/22 10:27 • (DUP) R3760964-3 02/17/22 10:27

| Analyte | Original Result umhos/cm | DUP Result umhos/cm | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------------------|-----------------------------|------------------------|----------|--------------|---------------|------------------------|
| Specific Conductance | 9660 | 9210 | 1 | 4.77 | | 20 |

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

L1461902-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1461902-01 02/17/22 10:27 • (DUP) R3760964-4 02/17/22 10:27

| Analyte | Original Result umhos/cm | DUP Result umhos/cm | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------------------|-----------------------------|------------------------|----------|--------------|---------------|------------------------|
| Specific Conductance | 1310 | 1290 | 1 | 1.85 | | 20 |

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

Laboratory Control Sample (LCS)

(LCS) R3760964-2 02/17/22 10:27

| Analyte | Spike Amount umhos/cm | LCS Result umhos/cm | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------|--------------------------|------------------------|---------------|------------------|---------------|
| Specific Conductance | 268 | 265 | 99.0 | 85.0-115 | |

Sample Narrative:
LCS: at 25C

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3761751-1 02/19/22 19:26

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|----------|--------------------|--------------|-----------------|-----------------|
| Barium | U | | 0.0852 | 0.500 |
| Cadmium | U | | 0.0471 | 0.500 |
| Copper | U | | 0.400 | 2.00 |
| Lead | U | | 0.208 | 0.500 |
| Nickel | U | | 0.132 | 2.00 |
| Selenium | U | | 0.764 | 2.00 |
| Silver | U | | 0.127 | 1.00 |
| Zinc | U | | 0.832 | 5.00 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3761751-2 02/19/22 19:29

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------|-----------------------|---------------------|---------------|------------------|---------------|
| Barium | 100 | 103 | 103 | 80.0-120 | |
| Cadmium | 100 | 102 | 102 | 80.0-120 | |
| Copper | 100 | 105 | 105 | 80.0-120 | |
| Lead | 100 | 102 | 102 | 80.0-120 | |
| Nickel | 100 | 102 | 102 | 80.0-120 | |
| Selenium | 100 | 102 | 102 | 80.0-120 | |
| Silver | 20.0 | 18.1 | 90.5 | 80.0-120 | |
| Zinc | 100 | 99.3 | 99.3 | 80.0-120 | |

L1461768-28 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1461768-28 02/19/22 19:32 • (MS) R3761751-5 02/19/22 19:40 • (MSD) R3761751-6 02/19/22 19:43

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|----------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Barium | 100 | 125 | 234 | 240 | 109 | 115 | 1 | 75.0-125 | | | 2.55 | 20 |
| Cadmium | 100 | 0.260 | 102 | 105 | 101 | 105 | 1 | 75.0-125 | | | 3.31 | 20 |
| Copper | 100 | 53.2 | 159 | 173 | 106 | 120 | 1 | 75.0-125 | | | 8.47 | 20 |
| Lead | 100 | 13.7 | 118 | 121 | 104 | 107 | 1 | 75.0-125 | | | 2.37 | 20 |
| Nickel | 100 | 17.5 | 117 | 123 | 99.4 | 105 | 1 | 75.0-125 | | | 5.04 | 20 |
| Selenium | 100 | U | 101 | 104 | 101 | 104 | 1 | 75.0-125 | | | 3.07 | 20 |
| Silver | 20.0 | U | 17.9 | 18.4 | 89.3 | 92.0 | 1 | 75.0-125 | | | 2.93 | 20 |
| Zinc | 100 | 63.7 | 145 | 153 | 81.3 | 89.8 | 1 | 75.0-125 | | | 5.73 | 20 |

L1461768-30 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1461768-30 02/19/22 19:45 • (MS) R3761751-8 02/19/22 19:51 • (MSD) R3761751-9 02/19/22 19:59

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|----------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Barium | 100 | 133 | 273 | 255 | 139 | 122 | 1 | 75.0-125 | J5 | | 6.73 | 20 |
| Cadmium | 100 | 0.203 | 99.4 | 105 | 99.2 | 105 | 1 | 75.0-125 | | | 5.76 | 20 |
| Copper | 100 | 27.5 | 135 | 139 | 108 | 112 | 1 | 75.0-125 | | | 3.11 | 20 |
| Lead | 100 | 17.0 | 109 | 117 | 92.2 | 99.6 | 1 | 75.0-125 | | | 6.49 | 20 |
| Nickel | 100 | 9.76 | 113 | 116 | 103 | 106 | 1 | 75.0-125 | | | 2.54 | 20 |
| Selenium | 100 | U | 99.0 | 105 | 99.0 | 105 | 1 | 75.0-125 | | | 6.23 | 20 |
| Silver | 20.0 | U | 17.6 | 18.5 | 88.0 | 92.6 | 1 | 75.0-125 | | | 5.16 | 20 |
| Zinc | 100 | 44.7 | 145 | 146 | 100 | 101 | 1 | 75.0-125 | | | 0.655 | 20 |

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R3763024-1 02/23/22 09:30

| Analyte | MB Result mg/l | <u>MB Qualifier</u> | MB MDL mg/l | MB RDL mg/l |
|----------------------|-------------------|---------------------|----------------|----------------|
| Hot Water Sol. Boron | U | | 0.0167 | 0.200 |

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

(LCS) R3763024-2 02/23/22 09:33 • (LCSD) R3763024-3 02/23/22 09:36

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCSD Result mg/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | <u>LCS Qualifier</u> | <u>LCSD Qualifier</u> | RPD % | RPD Limits % |
|----------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|----------------------|-----------------------|----------|-----------------|
| Hot Water Sol. Boron | 1.00 | 0.995 | 0.955 | 99.5 | 95.5 | 80.0-120 | | | 4.13 | 20 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3761698-1 02/19/22 11:51

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------|--------------------|--------------|-----------------|-----------------|
| Arsenic | U | | 0.100 | 1.00 |

Laboratory Control Sample (LCS)

(LCS) R3761698-2 02/19/22 11:55

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---------|-----------------------|---------------------|---------------|------------------|---------------|
| Arsenic | 100 | 105 | 105 | 80.0-120 | |

L1461902-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1461902-01 02/19/22 11:58 • (MS) R3761698-5 02/19/22 12:08 • (MSD) R3761698-6 02/19/22 12:11

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Arsenic | 100 | 15.5 | 129 | 118 | 113 | 103 | 5 | 75.0-125 | | | 8.30 | 20 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3761477-2 02/18/22 11:49

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction | 1.62 | ⬇ | 0.543 | 2.50 |
| (S) a,a,a-Trifluorotoluene(FID) | 88.7 | | | 77.0-120 |

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

(LCS) R3761477-1 02/18/22 09:55 • (LCSD) R3761477-3 02/18/22 12:55

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCSD Result mg/kg | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|------------------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| TPH (GC/FID) Low Fraction | 5.50 | 5.09 | 5.84 | 92.5 | 106 | 72.0-127 | | | 13.7 | 20 |
| (S) a,a,a-Trifluorotoluene(FID) | | | | 109 | 114 | 77.0-120 | | | | |

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R3761458-3 02/16/22 20:03

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene | U | | 0.000467 | 0.00100 |
| Ethylbenzene | U | | 0.000737 | 0.00250 |
| Naphthalene | U | | 0.00488 | 0.0125 |
| Toluene | U | | 0.00130 | 0.00500 |
| 1,2,4-Trimethylbenzene | U | | 0.00158 | 0.00500 |
| 1,3,5-Trimethylbenzene | U | | 0.00200 | 0.00500 |
| (S) Toluene-d8 | 106 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 96.6 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 111 | | | 70.0-130 |

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

(LCS) R3761458-1 02/16/22 18:47 • (LCSD) R3761458-2 02/16/22 19:06

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCSD Result mg/kg | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Benzene | 0.125 | 0.113 | 0.104 | 90.4 | 83.2 | 70.0-123 | | | 8.29 | 20 |
| Ethylbenzene | 0.125 | 0.115 | 0.104 | 92.0 | 83.2 | 74.0-126 | | | 10.0 | 20 |
| Naphthalene | 0.125 | 0.0809 | 0.0829 | 64.7 | 66.3 | 59.0-130 | | | 2.44 | 20 |
| Toluene | 0.125 | 0.117 | 0.107 | 93.6 | 85.6 | 75.0-121 | | | 8.93 | 20 |
| 1,2,4-Trimethylbenzene | 0.125 | 0.122 | 0.113 | 97.6 | 90.4 | 70.0-126 | | | 7.66 | 20 |
| 1,3,5-Trimethylbenzene | 0.125 | 0.123 | 0.114 | 98.4 | 91.2 | 73.0-127 | | | 7.59 | 20 |
| (S) Toluene-d8 | | | | 99.7 | 100 | 75.0-131 | | | | |
| (S) 4-Bromofluorobenzene | | | | 95.7 | 96.9 | 67.0-138 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | 115 | 118 | 70.0-130 | | | | |

L1462168-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1462168-01 02/17/22 00:00 • (MS) R3761458-4 02/17/22 03:10 • (MSD) R3761458-5 02/17/22 03:29

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---------------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Benzene | 0.125 | U | 0.120 | 0.108 | 96.0 | 86.4 | 1 | 10.0-149 | | | 10.5 | 37 |
| Ethylbenzene | 0.125 | U | 0.125 | 0.114 | 100 | 91.2 | 1 | 10.0-160 | | | 9.21 | 38 |
| Naphthalene | 0.125 | 0.00685 | 0.0883 | 0.0886 | 65.2 | 65.4 | 1 | 10.0-160 | | | 0.339 | 36 |
| Toluene | 0.125 | U | 0.128 | 0.117 | 102 | 93.6 | 1 | 10.0-156 | | | 8.98 | 38 |
| 1,2,4-Trimethylbenzene | 0.125 | 0.00388 | 0.134 | 0.123 | 104 | 95.3 | 1 | 10.0-160 | | | 8.56 | 36 |
| 1,3,5-Trimethylbenzene | 0.125 | U | 0.137 | 0.126 | 110 | 101 | 1 | 10.0-160 | | | 8.37 | 38 |
| (S) Toluene-d8 | | | | | 103 | 102 | | 75.0-131 | | | | |
| (S) 4-Bromofluorobenzene | | | | | 96.4 | 96.1 | | 67.0-138 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | | 102 | 107 | | 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) R3761782-2 02/19/22 20:02

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Xylenes, Total | U | | 0.000880 | 0.00650 |
| (S) Toluene-d8 | 101 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 88.1 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 105 | | | 70.0-130 |

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

(LCS) R3761782-1 02/19/22 19:06 • (LCSD) R3761782-3 02/20/22 04:24

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCSD Result mg/kg | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Xylenes, Total | 0.375 | 0.411 | 0.364 | 110 | 97.1 | 72.0-127 | | | 12.1 | 20 |
| (S) Toluene-d8 | | | | 95.1 | 97.6 | 75.0-131 | | | | |
| (S) 4-Bromofluorobenzene | | | | 97.2 | 96.1 | 67.0-138 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | 118 | 100 | 70.0-130 | | | | |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3762800-1 02/23/22 04:26

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|-------------------------|--------------------|--------------|-----------------|-----------------|
| C10-C28 Diesel Range | U | | 1.61 | 4.00 |
| C28-C36 Motor Oil Range | 0.760 | J | 0.274 | 4.00 |
| (S) o-Terphenyl | 64.9 | | | 18.0-148 |

Laboratory Control Sample (LCS)

(LCS) R3762800-2 02/23/22 04:39

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0 | 38.6 | 77.2 | 50.0-150 | |
| (S) o-Terphenyl | | | 89.9 | 18.0-148 | |

L1462346-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1462346-01 02/23/22 04:53 • (MS) R3762800-3 02/23/22 05:06 • (MSD) R3762800-4 02/23/22 05:20

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|----------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| C10-C28 Diesel Range | 50.0 | 4.86 | 29.8 | 28.4 | 49.9 | 47.1 | 1 | 50.0-150 | J6 | J6 | 4.81 | 20 |
| (S) o-Terphenyl | | | | | 66.2 | 65.5 | | 18.0-148 | | | | |

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R3762378-2 02/22/22 08:22

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------|--------------------|--------------|-----------------|-----------------|
| Anthracene | U | | 0.00230 | 0.00600 |
| Acenaphthene | U | | 0.00209 | 0.00600 |
| Acenaphthylene | U | | 0.00216 | 0.00600 |
| Benzo(a)anthracene | U | | 0.00173 | 0.00600 |
| Benzo(a)pyrene | U | | 0.00179 | 0.00600 |
| Benzo(b)fluoranthene | U | | 0.00153 | 0.00600 |
| Benzo(g,h,i)perylene | U | | 0.00177 | 0.00600 |
| Benzo(k)fluoranthene | U | | 0.00215 | 0.00600 |
| Chrysene | U | | 0.00232 | 0.00600 |
| Dibenz(a,h)anthracene | U | | 0.00172 | 0.00600 |
| Fluoranthene | U | | 0.00227 | 0.00600 |
| Fluorene | U | | 0.00205 | 0.00600 |
| Indeno(1,2,3-cd)pyrene | U | | 0.00181 | 0.00600 |
| Naphthalene | U | | 0.00408 | 0.0200 |
| Phenanthrene | U | | 0.00231 | 0.00600 |
| Pyrene | U | | 0.00200 | 0.00600 |
| 1-Methylnaphthalene | U | | 0.00449 | 0.0200 |
| 2-Methylnaphthalene | U | | 0.00427 | 0.0200 |
| 2-Chloronaphthalene | U | | 0.00466 | 0.0200 |
| (S) Nitrobenzene-d5 | 101 | | | 14.0-149 |
| (S) 2-Fluorobiphenyl | 96.9 | | | 34.0-125 |
| (S) p-Terphenyl-d14 | 99.6 | | | 23.0-120 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R3762378-1 02/22/22 08:05

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|-----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Anthracene | 0.0800 | 0.0639 | 79.9 | 50.0-126 | |
| Acenaphthene | 0.0800 | 0.0682 | 85.3 | 50.0-120 | |
| Acenaphthylene | 0.0800 | 0.0641 | 80.1 | 50.0-120 | |
| Benzo(a)anthracene | 0.0800 | 0.0673 | 84.1 | 45.0-120 | |
| Benzo(a)pyrene | 0.0800 | 0.0691 | 86.4 | 42.0-120 | |
| Benzo(b)fluoranthene | 0.0800 | 0.0710 | 88.8 | 42.0-121 | |
| Benzo(g,h,i)perylene | 0.0800 | 0.0693 | 86.6 | 45.0-125 | |
| Benzo(k)fluoranthene | 0.0800 | 0.0717 | 89.6 | 49.0-125 | |
| Chrysene | 0.0800 | 0.0723 | 90.4 | 49.0-122 | |
| Dibenz(a,h)anthracene | 0.0800 | 0.0647 | 80.9 | 47.0-125 | |
| Fluoranthene | 0.0800 | 0.0685 | 85.6 | 49.0-129 | |

Laboratory Control Sample (LCS)

(LCS) R3762378-1 02/22/22 08:05

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Fluorene | 0.0800 | 0.0669 | 83.6 | 49.0-120 | |
| Indeno(1,2,3-cd)pyrene | 0.0800 | 0.0664 | 83.0 | 46.0-125 | |
| Naphthalene | 0.0800 | 0.0675 | 84.4 | 50.0-120 | |
| Phenanthrene | 0.0800 | 0.0658 | 82.3 | 47.0-120 | |
| Pyrene | 0.0800 | 0.0713 | 89.1 | 43.0-123 | |
| 1-Methylnaphthalene | 0.0800 | 0.0674 | 84.3 | 51.0-121 | |
| 2-Methylnaphthalene | 0.0800 | 0.0689 | 86.1 | 50.0-120 | |
| 2-Chloronaphthalene | 0.0800 | 0.0682 | 85.3 | 50.0-120 | |
| (S) Nitrobenzene-d5 | | | 108 | 14.0-149 | |
| (S) 2-Fluorobiphenyl | | | 101 | 34.0-125 | |
| (S) p-Terphenyl-d14 | | | 102 | 23.0-120 | |

L1461902-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1461902-01 02/22/22 14:27 • (MS) R3762378-3 02/22/22 14:44 • (MSD) R3762378-4 02/22/22 15:02

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|------------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Anthracene | 0.0792 | 0.0191 | 0.0534 | 0.0463 | 43.3 | 34.2 | 1 | 10.0-145 | | | 14.2 | 30 |
| Acenaphthene | 0.0792 | U | 0.164 | 0.116 | 207 | 146 | 1 | 14.0-127 | J5 | J3 J5 | 34.3 | 27 |
| Acenaphthylene | 0.0792 | U | 0.0634 | 0.0541 | 80.1 | 68.0 | 1 | 21.0-124 | | | 15.8 | 25 |
| Benzo(a)anthracene | 0.0792 | U | 0.0648 | 0.0585 | 81.8 | 73.5 | 1 | 10.0-139 | | | 10.2 | 30 |
| Benzo(a)pyrene | 0.0792 | U | 0.0675 | 0.0631 | 85.2 | 79.3 | 1 | 10.0-141 | | | 6.74 | 31 |
| Benzo(b)fluoranthene | 0.0792 | U | 0.0599 | 0.0560 | 75.6 | 70.4 | 1 | 10.0-140 | | | 6.73 | 36 |
| Benzo(g,h,i)perylene | 0.0792 | U | 0.0597 | 0.0560 | 75.4 | 70.4 | 1 | 10.0-140 | | | 6.40 | 33 |
| Benzo(k)fluoranthene | 0.0792 | U | 0.0597 | 0.0545 | 75.4 | 68.5 | 1 | 10.0-137 | | | 9.11 | 31 |
| Chrysene | 0.0792 | 0.00296 | 0.0709 | 0.0650 | 85.8 | 77.9 | 1 | 10.0-145 | | | 8.68 | 30 |
| Dibenz(a,h)anthracene | 0.0792 | U | 0.0571 | 0.0518 | 72.1 | 65.1 | 1 | 10.0-132 | | | 9.73 | 31 |
| Fluoranthene | 0.0792 | 0.00363 | 0.0655 | 0.0565 | 78.1 | 66.4 | 1 | 10.0-153 | | | 14.8 | 33 |
| Fluorene | 0.0792 | 0.189 | 0.337 | 0.219 | 187 | 37.7 | 1 | 11.0-130 | J5 | J3 | 42.4 | 29 |
| Indeno(1,2,3-cd)pyrene | 0.0792 | U | 0.0608 | 0.0568 | 76.8 | 71.4 | 1 | 10.0-137 | | | 6.80 | 32 |
| Naphthalene | 0.0792 | 3.14 | 3.71 | 2.83 | 720 | 0.000 | 1 | 10.0-135 | V | V | 26.9 | 27 |
| Phenanthrene | 0.0792 | 0.127 | 0.247 | 0.163 | 152 | 45.2 | 1 | 10.0-144 | J5 | J3 | 41.0 | 31 |
| Pyrene | 0.0792 | 0.00611 | 0.0721 | 0.0612 | 83.3 | 69.2 | 1 | 10.0-148 | | | 16.4 | 35 |
| 1-Methylnaphthalene | 0.0792 | 2.26 | 2.81 | 1.91 | 694 | 0.000 | 1 | 10.0-142 | V | J3 V | 38.1 | 28 |
| 2-Methylnaphthalene | 0.0792 | 6.74 | 8.33 | 5.74 | 2010 | 0.000 | 1 | 10.0-137 | E V | E J3 V | 36.8 | 28 |
| 2-Chloronaphthalene | 0.0792 | U | 0.0586 | 0.0513 | 74.0 | 64.4 | 1 | 29.0-120 | | | 13.3 | 24 |
| (S) Nitrobenzene-d5 | | | | | 0.000 | 0.000 | | 14.0-149 | J2 | J2 | | |
| (S) 2-Fluorobiphenyl | | | | | 107 | 94.3 | | 34.0-125 | | | | |
| (S) p-Terphenyl-d14 | | | | | 88.6 | 82.3 | | 23.0-120 | | | | |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1461902-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1461902-01 02/22/22 14:27 • (MS) R3762378-3 02/22/22 14:44 • (MSD) R3762378-4 02/22/22 15:02

| | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD | RPD Limits |
|---------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|-----|------------|
| Analyte | mg/kg | mg/kg | mg/kg | mg/kg | % | % | | % | | | % | % |

Sample Narrative:
OS: Surrogate failure due to matrix interference

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

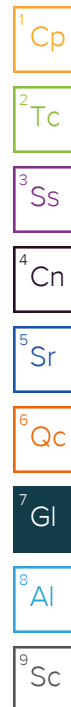
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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 |
|-----------|---|
| E | The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL). |
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
| J2 | Surrogate recovery limits have been exceeded; values are outside lower control limits. |
| J3 | The associated batch QC was outside the established quality control range for precision. |
| J5 | The sample matrix interfered with the ability to make any accurate determination; spike value is high. |
| J6 | The sample matrix interfered with the ability to make any accurate determination; spike value is low. |
| J7 | Surrogate recovery cannot be used for control limit evaluation due to dilution. |
| T8 | Sample(s) received past/too close to holding time expiration. |
| V | The sample concentration is too high to evaluate accurate spike recoveries. |



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.



Entrada Consulting Group

330 Grand Avenue
Grand Junction, CO 81501

Report to:
Stuart Hall

Project Description:

697-16D Spill

City/State
Collected:

De Beque, CO

Please Circle:
PT MT CT ET

Phone: 970-640-0568

Client Project #

Lab Project #
ENTCONGJCO-915

Collected by (print):

Collected by (signature):

Immediately

Packed on Ice N Y ☒

Site/Facility ID #

Rush? (Lab MUST Be Notified)

Same Day Five Day
Next Day 5 Day (Rad Only)
Two Day 10 Day (Rad Only)
☒ Three Day

P.O. #

Quote #

Date Results Needed

Pres
Chk

Analysis / Container / Preservative

Chain of Custody Page ____ of ____



12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # **U461402**

G106

Acctnum: **ENTCONGJCO**

Template: **T180603**

Prelogin: **P822819**

PM: 824 - Chris Ward

PB:

Shipped Via: **FedEX Ground**

Remarks Sample # (lab only)

Sample ID Comp/Grab Matrix * Depth Date Time

20220215-697-16D-POR-(0'-6") Grab SS 0'-6" 2/15/22 1130 3

Table915 GRO/DRO/ORO 4ozClr-NoPres

Table915 Metals 4ozClr-NoPres

Table915 PAHs 4ozClr-NoPres

Table915 VOCs 4ozClr-NoPres

Table915 pH SPCONSAR 4ozClr-NoPres

X

X

X

X

X

-01

* Matrix:

SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH Temp

Flow Other

Samples returned via:

UPS ☒ FedEx ☐ Courier

Tracking #

5016 1231 9897

Sample Receipt Checklist

COC Seal Present/Intact: ☒ NP Y N
COC Signed/Accurate: ☒ Y N
Bottles arrive intact: ☒ Y N
Correct bottles used: ☒ Y N
Sufficient volume sent: ☒ Y N
If Applicable
VOA Zero Headspace: ☒ Y N
Preservation Correct/Checked: ☒ Y N
RAD Screen <0.5 mR/hr: ☒ Y N

Relinquished by: (Signature)

Date:

2/15/22

Time:

1500

Received by: (Signature)

Trip Blank Received: Yes No

HCL/MeOH
TBR

Relinquished by: (Signature)

Date:

2/15/22

Time:

1600

Received by: (Signature)

Temp: °C Bottles Received:

BAA7 3.8+0=3.8 3

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: Time:

2/16/22 0900

Hold:

Condition:

NCF 1 OK

Entrada Consulting Group

Sample Delivery Group: L1461904
Samples Received: 02/16/2022
Project Number:
Description: Laramie CCWHF Quartely Sampling

Report To: Stuart Hall
240 Mesa Avenue
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.

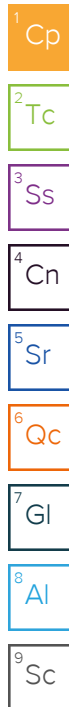
Pace Analytical National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

| | |
|--|----|
| Cp: Cover Page | 1 |
| Tc: Table of Contents | 2 |
| Ss: Sample Summary | 3 |
| Cn: Case Narrative | 4 |
| Sr: Sample Results | 5 |
| GS L1461904-04 | 5 |
| Qc: Quality Control Summary | 6 |
| Gravimetric Analysis by Method 2540 C-2011 | 6 |
| Wet Chemistry by Method 9056A | 7 |
| Volatile Organic Compounds (GC/MS) by Method 8260B | 9 |
| Gl: Glossary of Terms | 10 |
| Al: Accreditations & Locations | 11 |
| Sc: Sample Chain of Custody | 12 |

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

SAMPLE SUMMARY

GS L1461904-04 GW

Collected by
D/J

Collected date/time
02/15/22 09:00

Received date/time
02/16/22 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|--------------------------|-----------------------|---------|----------------|
| Gravimetric Analysis by Method 2540 C-2011 | WG1820971 | 1 | 02/20/22 16:43 | 02/20/22 17:54 | MMF | Mt. Juliet, TN |
| Wet Chemistry by Method 9056A | WG1819102 | 1 | 02/16/22 17:42 | 02/16/22 17:42 | LBR | Mt. Juliet, TN |
| Wet Chemistry by Method 9056A | WG1819102 | 5 | 02/16/22 17:55 | 02/16/22 17:55 | LBR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1819368 | 1 | 02/17/22 02:17 | 02/17/22 02:17 | ADM | 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.



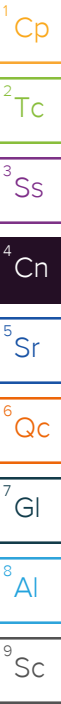
Chris Ward
Project Manager

Report Revision History

Level II Report - Version 1: 02/22/22 17:07

Project Narrative

Rerun to split report



Gravimetric Analysis by Method 2540 C-2011

| Analyte | Result mg/l | <u>Qualifier</u> | RDL mg/l | Dilution | Analysis date / time | <u>Batch</u> |
|------------------|----------------|------------------|-------------|----------|-------------------------|---------------------------|
| Dissolved Solids | 772 | | 13.3 | 1 | 02/20/2022 17:54 | WG1820971 |

Wet Chemistry by Method 9056A

| Analyte | Result mg/l | <u>Qualifier</u> | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | <u>Batch</u> |
|----------|----------------|------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Chloride | 58.3 | | 0.379 | 1.00 | 1 | 02/16/2022 17:42 | WG1819102 |
| Sulfate | 206 | | 2.97 | 25.0 | 5 | 02/16/2022 17:55 | WG1819102 |

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

| Analyte | Result mg/l | <u>Qualifier</u> | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | <u>Batch</u> |
|---------------------------|----------------|------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Benzene | U | | 0.0000941 | 0.00100 | 1 | 02/17/2022 02:17 | WG1819368 |
| Toluene | U | | 0.000278 | 0.00100 | 1 | 02/17/2022 02:17 | WG1819368 |
| Ethylbenzene | U | | 0.000137 | 0.00100 | 1 | 02/17/2022 02:17 | WG1819368 |
| Xylenes, Total | U | | 0.000174 | 0.00300 | 1 | 02/17/2022 02:17 | WG1819368 |
| Naphthalene | U | | 0.00100 | 0.00500 | 1 | 02/17/2022 02:17 | WG1819368 |
| 1,2,4-Trimethylbenzene | U | | 0.000322 | 0.00100 | 1 | 02/17/2022 02:17 | WG1819368 |
| 1,3,5-Trimethylbenzene | U | | 0.000104 | 0.00100 | 1 | 02/17/2022 02:17 | WG1819368 |
| (S) Toluene-d8 | 95.9 | | | 80.0-120 | | 02/17/2022 02:17 | WG1819368 |
| (S) 4-Bromofluorobenzene | 101 | | | 77.0-126 | | 02/17/2022 02:17 | WG1819368 |
| (S) 1,2-Dichloroethane-d4 | 105 | | | 70.0-130 | | 02/17/2022 02:17 | WG1819368 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3762653-1 02/20/22 17:54

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

L1461441-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1461441-18 02/20/22 17:54 • (DUP) R3762653-3 02/20/22 17:54

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|------------------|-------------------------|--------------------|----------|--------------|---------------|------------------------|
| Dissolved Solids | 685 | 685 | 1 | 0.000 | | 5 |

L1461904-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1461904-04 02/20/22 17:54 • (DUP) R3762653-4 02/20/22 17:54

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|------------------|-------------------------|--------------------|----------|--------------|---------------|------------------------|
| Dissolved Solids | 772 | 789 | 1 | 2.22 | | 5 |

Laboratory Control Sample (LCS)

(LCS) R3762653-2 02/20/22 17:54

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------|----------------------|--------------------|---------------|------------------|---------------|
| Dissolved Solids | 8800 | 8410 | 95.6 | 77.4-123 | |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3761242-1 02/16/22 10:35

| | 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 |

L1462103-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1462103-05 02/16/22 19:22 • (DUP) R3761242-3 02/16/22 19:34

| | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/l | mg/l | | % | | % |
| Chloride | 5.67 | 5.28 | 1 | 6.98 | | 15 |
| Sulfate | 27.8 | 27.0 | 1 | 2.63 | | 15 |

L1462103-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1462103-12 02/16/22 21:51 • (DUP) R3761242-6 02/16/22 22:04

| | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/l | mg/l | | % | | % |
| Chloride | 3.56 | 3.67 | 1 | 2.86 | | 15 |
| Sulfate | 23.3 | 23.7 | 1 | 1.75 | | 15 |

Laboratory Control Sample (LCS)

(LCS) R3761242-2 02/16/22 10:49

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------|--------------|------------|----------|-------------|---------------|
| Analyte | mg/l | mg/l | % | % | |
| Chloride | 40.0 | 40.0 | 100 | 80.0-120 | |
| Sulfate | 40.0 | 40.1 | 100 | 80.0-120 | |

L1462103-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1462103-06 02/16/22 19:47 • (MS) R3761242-4 02/16/22 19:59 • (MSD) R3761242-5 02/16/22 20:11

| | 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 | 553 | 579 | 577 | 50.7 | 48.4 | 10 | 80.0-120 | V | V | 0.198 | 15 |
| Sulfate | 50.0 | 36.3 | 82.2 | 82.1 | 91.8 | 91.6 | 10 | 80.0-120 | | | 0.105 | 15 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1462103-12 Original Sample (OS) • Matrix Spike (MS)

(OS) L1462103-12 02/16/22 21:51 • (MS) R3761242-7 02/16/22 22:16

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MS Rec. % | Dilution | Rec. Limits % | <u>MS Qualifier</u> |
|----------|----------------------|-------------------------|-------------------|--------------|----------|------------------|---------------------|
| Chloride | 50.0 | 3.56 | 54.7 | 102 | 1 | 80.0-120 | |
| Sulfate | 50.0 | 23.3 | 74.3 | 102 | 1 | 80.0-120 | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3762416-3 02/16/22 23:57

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---------------------------|-------------------|--------------|----------------|----------------|
| Benzene | 0.000102 | U | 0.0000941 | 0.00100 |
| Ethylbenzene | U | | 0.000137 | 0.00100 |
| Naphthalene | U | | 0.00100 | 0.00500 |
| Toluene | U | | 0.000278 | 0.00100 |
| 1,2,4-Trimethylbenzene | U | | 0.000322 | 0.00100 |
| 1,3,5-Trimethylbenzene | U | | 0.000104 | 0.00100 |
| Xylenes, Total | U | | 0.000174 | 0.00300 |
| (S) Toluene-d8 | 97.6 | | | 80.0-120 |
| (S) 4-Bromofluorobenzene | 105 | | | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 105 | | | 70.0-130 |

Laboratory Control Sample (LCS)

(LCS) R3762416-1 02/16/22 22:55

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---------------------------|----------------------|--------------------|---------------|------------------|---------------|
| Benzene | 0.00500 | 0.00509 | 102 | 70.0-123 | |
| Ethylbenzene | 0.00500 | 0.00440 | 88.0 | 79.0-123 | |
| Naphthalene | 0.00500 | 0.00367 | 73.4 | 54.0-135 | |
| Toluene | 0.00500 | 0.00436 | 87.2 | 79.0-120 | |
| 1,2,4-Trimethylbenzene | 0.00500 | 0.00400 | 80.0 | 76.0-121 | |
| 1,3,5-Trimethylbenzene | 0.00500 | 0.00405 | 81.0 | 76.0-122 | |
| Xylenes, Total | 0.0150 | 0.0131 | 87.3 | 79.0-123 | |
| (S) Toluene-d8 | | | 94.2 | 80.0-120 | |
| (S) 4-Bromofluorobenzene | | | 102 | 77.0-126 | |
| (S) 1,2-Dichloroethane-d4 | | | 102 | 70.0-130 | |

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. |
| 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. |
| V | The sample concentration is too high to evaluate accurate spike recoveries. |

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

ACCREDITATIONS & LOCATIONS

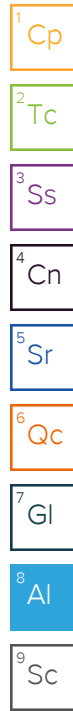
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

| | | | |
|--------------------------------|-------------|-----------------------------|------------------|
| 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.



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|-------------------------------------|------------|----------------------------------|--------------|-------------------------------------|---|--|---|--|--|--|--|--|--|------------------|----------|--|-----------|-----------------|--------------|-------------------|---------------------|--|
| ENTRADA CONSULTING GROUP 330 Grand Avenue, Unit C Grand Junction, CO 81501 | | | | | | Billing Information: | | Pres Chk | | Analysis / Container / Preservative | | | | | | | | | | Chain of Custody | | Page 1 of 1 | | | | | | |
| Report to: Matt Kasten | | | | | | Email To: mkasten@entradainc.com | | | | | | Table 915 Organic Compounds Table 915 GRO/DRO Table 915 TDS, chloride, sulfate | | | | | | | | | | ESC LAB SCIENCES YOUR LAB OF CHOICE 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859 | | 1461904 G107 | | | | |
| Project Description: Laramie CCWHF Quarterly Sampling | | | | | | City/State Collected: Colorado | | | | | | | | | | | | | | | | | | | | | | |
| Phone: 970.901.9007 | | | Client Project # | | | Lab Project # | | | | | | | | | | | | | | | | | | | | | | |
| Fax: | | | Site/Facility ID # | | | P.O. # | | | | | | | | | | | | | | | | | | | | | | |
| Collected by (print): Dilka/Johnson | | | Rush? (Lab MUST Be Notified) Same Day Five Day Next Day 5 Day (Rad Only) Two Day 10 Day (Rad Only) Three Day | | | Quote # | | | | | | | | | | | | | | | | | | | | | | |
| Collected by (signature): Immediately Packed on Ice N Y X | | | | | | Date Results Needed | | | No. of Cntrs | | | | | | | | | | | | Acctnum: | | Template: | | | | | |
| Sample ID | | | | | | Comp/Grab | Matrix * | Depth | Date | Time | | | | | | | | | | | TSR: | | PB: | | | | | |
| MW-1 | | | | | | Grab | GW | — | 2/15/22 | 1115 | 5 | X | X | X | | | | | | | | | | | Shipped Via: | | | |
| MW-2 | | | | | | Grab | GW | — | ↓ | 1055 | 5 | X | X | X | | | | | | | | | | | Remarks | | Sample # (lab only) | |
| MW-3 | | | | | | Grab | GW | — | ↓ | 1025 | 5 | X | X | X | | | | | | | | | | | | | | |
| GS | | | | | | Grab | GW | — | 8/15/22 | 0900 | 5 | X | X | X | | | | | | | | | | | | | | |
| * Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other | | | | | | Remarks: Table 915 | | | | | | pH Temp Flow Other | | | | | | Sample Receipt Checklist COC Seal Present/Intact: NP Y N COC Signed/Accurate: Y N Bottles arrive intact: Y N Correct bottles used: Y N Sufficient volume sent: Y N If Applicable VOA Zero Headspace: Y N Preservation Correct/Checked: Y N | | | | | | | | | | |
| Samples returned via: UPS FedEx Courier | | | | | | Tracking # 5016 1231 9897 | | | | | | Trip Blank Received: Yes No HCL/MeOH TBR | | | | | | If preservation required by Login: Date/Time | | | | | | | | | | |
| Relinquished by: (Signature) | | | | | | Date: 2/15/22 | Time: 1400 | Received by: (Signature) | | | | | | Temp: °C Bottles Received: BAA7381.0=3.8 20 | | | | | | Hold: | | | | | | Condition: NCF OK | | |
| Relinquished by: (Signature) | | | | | | Date: 2/15/22 | Time: 1600 | Received by: (Signature) | | | | | | Date: 2/16/22 | | | | | | Time: 0900 | | | | | | | | |
| Relinquished by: (Signature) | | | | | | Date: | Time: | Received for lab by: (Signature) | | | | | | Date: | | | | | | Time: | | | | | | | | |

Entrada Consulting Group

Sample Delivery Group: L1471150
Samples Received: 03/15/2022
Project Number: 697-16D BG
Description: 697-16D BG
Site: 697-16D BG
Report To: Stuart Hall
240 Mesa Avenue
Grand Junction, CO 81501

Entire Report Reviewed By:



Jason Romer
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 | 4 |
| Sr: Sample Results | 5 |
| 697-16D BGN L1471150-01 | 5 |
| 697-16D BGE L1471150-02 | 6 |
| 697-16D BGW L1471150-03 | 7 |
| Qc: Quality Control Summary | 8 |
| Wet Chemistry by Method 9045D | 8 |
| Wet Chemistry by Method 9050AMod | 9 |
| Metals (ICPMS) by Method 6020 | 10 |
| Gl: Glossary of Terms | 11 |
| Al: Accreditations & Locations | 12 |
| Sc: Sample Chain of Custody | 13 |

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

SAMPLE SUMMARY

697-16D BGN L1471150-01 Solid

Collected by
Matt Kasten

Collected date/time
03/14/22 11:50

Received date/time
03/15/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|----------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 9045D | WG1834731 | 1 | 03/18/22 14:00 | 03/19/22 09:00 | GI | Mt. Juliet, TN |
| Wet Chemistry by Method 9050AMod | WG1833753 | 1 | 03/17/22 07:13 | 03/17/22 09:04 | ARD | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020 | WG1833208 | 5 | 03/16/22 10:42 | 03/16/22 17:42 | LD | Mt. Juliet, TN |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

697-16D BGE L1471150-02 Solid

Collected by
Matt Kasten

Collected date/time
03/14/22 11:55

Received date/time
03/15/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|----------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results | WG1833782 | 1 | 03/18/22 11:13 | 03/18/22 11:13 | CCE | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D | WG1834731 | 1 | 03/18/22 14:00 | 03/19/22 09:00 | GI | Mt. Juliet, TN |
| Wet Chemistry by Method 9050AMod | WG1833753 | 1 | 03/17/22 07:13 | 03/17/22 09:04 | ARD | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020 | WG1833208 | 5 | 03/16/22 10:42 | 03/16/22 17:46 | LD | Mt. Juliet, TN |

697-16D BGW L1471150-03 Solid

Collected by
Matt Kasten

Collected date/time
03/14/22 12:00

Received date/time
03/15/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|----------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results | WG1833782 | 1 | 03/18/22 11:16 | 03/18/22 11:16 | CCE | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D | WG1834731 | 1 | 03/18/22 14:00 | 03/19/22 09:00 | GI | Mt. Juliet, TN |
| Wet Chemistry by Method 9050AMod | WG1833753 | 1 | 03/17/22 07:13 | 03/17/22 09:04 | ARD | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020 | WG1833208 | 5 | 03/16/22 10:42 | 03/16/22 17:49 | LD | Mt. Juliet, TN |

CASE NARRATIVE

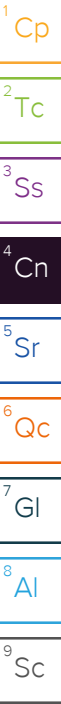
All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples 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.



Jason Romer
Project Manager

Project Narrative

Sample 697-16D BGN unable to be run for SAR due to the sample matrix



Wet Chemistry by Method 9045D

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|---------|--------|--------------------|----------|----------------------|---------------------------|
| pH | 8.71 | T8 | 1 | 03/19/2022 09:00 | WG1834731 |

Sample Narrative:

L1471150-01 WG1834731: 8.71 at 19.8C

Wet Chemistry by Method 9050AMod

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Specific Conductance | 264 | | 10.0 | 1 | 03/17/2022 09:04 | WG1833753 |

Sample Narrative:

L1471150-01 WG1833753: at 25C

Metals (ICPMS) by Method 6020

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis date / time | Batch |
|---------|--------|-----------|-------|------|----------|----------------------|---------------------------|
| Arsenic | 15.3 | | 0.100 | 1.00 | 5 | 03/16/2022 17:42 | WG1833208 |

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Calculated Results

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 0.291 | | 1 | 03/18/2022 11:13 | WG1833782 |

Wet Chemistry by Method 9045D

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|---------|--------|-----------|----------|----------------------|---------------------------|
| pH | 8.69 | T8 | 1 | 03/19/2022 09:00 | WG1834731 |

Sample Narrative:

L1471150-02 WG1834731: 8.69 at 19.8C

Wet Chemistry by Method 9050AMod

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------|--------|-----------|------|----------|----------------------|---------------------------|
| Specific Conductance | 204 | | 10.0 | 1 | 03/17/2022 09:04 | WG1833753 |

Sample Narrative:

L1471150-02 WG1833753: at 25C

Metals (ICPMS) by Method 6020

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis date / time | Batch |
|---------|--------|-----------|-------|------|----------|----------------------|---------------------------|
| Arsenic | 14.7 | | 0.100 | 1.00 | 5 | 03/16/2022 17:46 | WG1833208 |

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

Calculated Results

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 0.533 | | 1 | 03/18/2022 11:16 | WG1833782 |

Wet Chemistry by Method 9045D

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|---------|--------|--------------------|----------|----------------------|---------------------------|
| pH | 8.75 | T8 | 1 | 03/19/2022 09:00 | WG1834731 |

Sample Narrative:

L1471150-03 WG1834731: 8.75 at 19.6C

Wet Chemistry by Method 9050AMod

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------|----------|-----------|----------|----------|----------------------|---------------------------|
| Specific Conductance | umhos/cm | | umhos/cm | | | |
| | 229 | | 10.0 | 1 | 03/17/2022 09:04 | WG1833753 |

Sample Narrative:

L1471150-03 WG1833753: at 25C

Metals (ICPMS) by Method 6020

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis date / time | Batch |
|---------|--------|-----------|-------|-------|----------|----------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | | |
| Arsenic | 16.3 | | 0.100 | 1.00 | 5 | 03/16/2022 17:49 | WG1833208 |

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

L1471150-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1471150-02 03/19/22 09:00 • (DUP) R3771628-2 03/19/22 09:00

| | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte | su | su | | % | | % |
| pH | 8.69 | 8.68 | 1 | 0.115 | | 1 |

Sample Narrative:

OS: 8.69 at 19.8C

DUP: 8.68 at 19.9C

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

L1472467-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1472467-05 03/19/22 09:00 • (DUP) R3771628-3 03/19/22 09:00

| | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte | pH | su | | % | | % |
| pH | 8.67 | 8.66 | 1 | 0.115 | | 1 |

Sample Narrative:

OS: 8.67 at 19.9C

DUP: 8.66 at 19.9C

Laboratory Control Sample (LCS)

(LCS) R3771628-1 03/19/22 09:00

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | <u>LCS Qualifier</u> |
|---------|--------------|------------|----------|-------------|----------------------|
| Analyte | su | su | % | % | |
| pH | 10.0 | 9.94 | 99.4 | 99.0-101 | |

Sample Narrative:

LCS: 9.94 at 19C

Method Blank (MB)

(MB) R3770743-1 03/17/22 09:04

| 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

L1470970-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1470970-02 03/17/22 09:04 • (DUP) R3770743-3 03/17/22 09:04

| Analyte | Original Result umhos/cm | DUP Result umhos/cm | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------------------|-----------------------------|------------------------|----------|--------------|---------------|------------------------|
| Specific Conductance | 425 | 434 | 1 | 2.10 | | 20 |

Sample Narrative:

OS: at 25C

DUP: at 25C

L1471613-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1471613-05 03/17/22 09:04 • (DUP) R3770743-4 03/17/22 09:04

| Analyte | Original Result umhos/cm | DUP Result umhos/cm | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------------------|-----------------------------|------------------------|----------|--------------|---------------|------------------------|
| Specific Conductance | 2880 | 3040 | 1 | 5.27 | | 20 |

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R3770743-2 03/17/22 09:04

| Analyte | Spike Amount umhos/cm | LCS Result umhos/cm | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------|--------------------------|------------------------|---------------|------------------|---------------|
| Specific Conductance | 268 | 264 | 98.4 | 85.0-115 | |

Sample Narrative:

LCS: at 25C

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) R3770534-1 03/16/22 14:28

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------|--------------------|--------------|-----------------|-----------------|
| Arsenic | U | | 0.100 | 1.00 |

Laboratory Control Sample (LCS)

(LCS) R3770534-2 03/16/22 14:31

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---------|-----------------------|---------------------|---------------|------------------|---------------|
| Arsenic | 100 | 97.2 | 97.2 | 80.0-120 | |

L1470438-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1470438-01 03/16/22 14:35 • (MS) R3770534-5 03/16/22 14:47 • (MSD) R3770534-6 03/16/22 14:51

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Arsenic | 100 | 6.64 | 102 | 105 | 95.4 | 98.0 | 5 | 75.0-125 | | | 2.48 | 20 |

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. |
| 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

| | |
|----|---|
| T8 | Sample(s) received past/too close to holding time expiration. |
|----|---|

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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.



[illegible]

Entrada Consulting Group

Sample Delivery Group: L1471151
Samples Received: 03/15/2022
Project Number: 697-16D EX
Description: 697-16D EX
Site: 697-16D
Report To: Stuart Hall
240 Mesa Avenue
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 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 | 4 |
| Sr: Sample Results | 5 |
| 697-16D WWALL L1471151-01 | 5 |
| 697-16D SWALL L1471151-02 | 7 |
| Qc: Quality Control Summary | 9 |
| Wet Chemistry by Method 7199 | 9 |
| Wet Chemistry by Method 9045D | 11 |
| Wet Chemistry by Method 9050AMod | 12 |
| Metals (ICP) by Method 6010B | 14 |
| Metals (ICP) by Method 6010B-NE493 Ch 2 | 15 |
| Metals (ICPMS) by Method 6020 | 16 |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | 17 |
| Volatile Organic Compounds (GC/MS) by Method 8260B | 18 |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | 20 |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM | 21 |
| Gl: Glossary of Terms | 23 |
| Al: Accreditations & Locations | 24 |
| Sc: Sample Chain of Custody | 25 |

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

SAMPLE SUMMARY

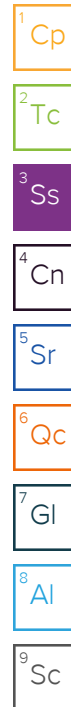
697-16D WWALL L1471151-01 Solid

Collected by
Matt Kasten

Collected date/time
03/14/22 10:30

Received date/time
03/15/22 09:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results | WG1833782 | 1 | 03/18/22 11:19 | 03/18/22 11:19 | CCE | Mt. Juliet, TN |
| Wet Chemistry by Method 7199 | WG1835990 | 1 | 03/22/22 00:30 | 03/22/22 17:05 | JER | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D | WG1834689 | 1 | 03/18/22 12:22 | 03/19/22 08:00 | GI | Mt. Juliet, TN |
| Wet Chemistry by Method 9050AMod | WG1833753 | 1 | 03/17/22 07:13 | 03/17/22 09:04 | ARD | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1833199 | 1 | 03/16/22 16:31 | 03/17/22 16:46 | KMG | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B-NE493 Ch 2 | WG1835477 | 1 | 03/20/22 21:04 | 03/21/22 09:34 | ZSA | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020 | WG1833204 | 5 | 03/16/22 16:58 | 03/16/22 20:55 | LD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1833013 | 1 | 03/15/22 20:22 | 03/17/22 12:03 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1832958 | 1 | 03/15/22 20:22 | 03/17/22 17:31 | JHH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG1834979 | 5 | 03/19/22 15:44 | 03/20/22 15:05 | JN | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM | WG1835810 | 1 | 03/22/22 23:50 | 03/23/22 13:25 | LEA | Mt. Juliet, TN |



697-16D SWALL L1471151-02 Solid

Collected by
Matt Kasten

Collected date/time
03/14/22 10:00

Received date/time
03/15/22 09:30

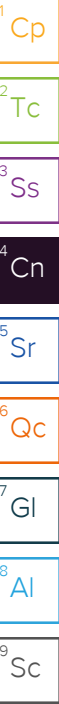
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results | WG1833782 | 1 | 03/18/22 11:21 | 03/18/22 11:21 | CCE | Mt. Juliet, TN |
| Wet Chemistry by Method 7199 | WG1835990 | 1 | 03/22/22 00:30 | 03/22/22 17:10 | JER | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D | WG1834689 | 1 | 03/18/22 12:22 | 03/19/22 08:00 | GI | Mt. Juliet, TN |
| Wet Chemistry by Method 9050AMod | WG1834475 | 1 | 03/20/22 02:20 | 03/20/22 07:44 | ARD | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1833199 | 1 | 03/16/22 16:31 | 03/17/22 16:49 | KMG | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B-NE493 Ch 2 | WG1835477 | 1 | 03/20/22 21:04 | 03/21/22 09:36 | ZSA | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020 | WG1833204 | 5 | 03/16/22 16:58 | 03/16/22 20:58 | LD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1833013 | 1 | 03/15/22 20:22 | 03/17/22 12:26 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1832958 | 1 | 03/15/22 20:22 | 03/17/22 17:50 | JHH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG1834979 | 5 | 03/19/22 15:44 | 03/20/22 15:18 | JN | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM | WG1835810 | 1 | 03/22/22 23:50 | 03/23/22 14:24 | LEA | 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



Calculated Results

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 0.878 | | 1 | 03/18/2022 11:19 | WG1833782 |

Wet Chemistry by Method 7199

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Hexavalent Chromium | U | | 0.255 | 1.00 | 1 | 03/22/2022 17:05 | WG1835990 |

Wet Chemistry by Method 9045D

| Analyte | Result su | Qualifier | Dilution | Analysis date / time | Batch |
|---------|-----------|--------------------|----------|----------------------|---------------------------|
| pH | 8.60 | T8 | 1 | 03/19/2022 08:00 | WG1834689 |

Sample Narrative:

L1471151-01 WG1834689: 8.6 at 19.7C

Wet Chemistry by Method 9050AMod

| Analyte | Result umhos/cm | Qualifier | RDL umhos/cm | Dilution | Analysis date / time | Batch |
|----------------------|-----------------|-----------|--------------|----------|----------------------|---------------------------|
| Specific Conductance | 314 | | 10.0 | 1 | 03/17/2022 09:04 | WG1833753 |

Sample Narrative:

L1471151-01 WG1833753: at 25C

Metals (ICP) by Method 6010B

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Barium | 472 | | 0.0852 | 0.500 | 1 | 03/17/2022 16:46 | WG1833199 |
| Cadmium | 0.554 | | 0.0471 | 0.500 | 1 | 03/17/2022 16:46 | WG1833199 |
| Copper | 26.7 | | 0.400 | 2.00 | 1 | 03/17/2022 16:46 | WG1833199 |
| Lead | 15.7 | | 0.208 | 0.500 | 1 | 03/17/2022 16:46 | WG1833199 |
| Nickel | 21.7 | | 0.132 | 2.00 | 1 | 03/17/2022 16:46 | WG1833199 |
| Selenium | U | | 0.764 | 2.00 | 1 | 03/17/2022 16:46 | WG1833199 |
| Silver | U | | 0.127 | 1.00 | 1 | 03/17/2022 16:46 | WG1833199 |
| Zinc | 48.8 | | 0.832 | 5.00 | 1 | 03/17/2022 16:46 | WG1833199 |

Metals (ICP) by Method 6010B-NE493 Ch 2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|----------------------|-------------|-----------|----------|----------|----------|----------------------|---------------------------|
| Hot Water Sol. Boron | 0.474 | | 0.0167 | 0.200 | 1 | 03/21/2022 09:34 | WG1835477 |

Metals (ICPMS) by Method 6020

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Arsenic | 20.8 | | 0.100 | 1.00 | 5 | 03/16/2022 20:55 | WG1833204 |

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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|--|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 1.26 | | 0.0217 | 0.100 | 1 | 03/17/2022 12:03 | WG1833013 |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 92.6 | | | 77.0-120 | | 03/17/2022 12:03 | WG1833013 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|-----------------|-----------|--------------|--------------|----------|-------------------------|---------------------------|
| Benzene | 0.000600 | J | 0.000467 | 0.00100 | 1 | 03/17/2022 17:31 | WG1832958 |
| Toluene | 0.00633 | | 0.00130 | 0.00500 | 1 | 03/17/2022 17:31 | WG1832958 |
| Ethylbenzene | U | | 0.000737 | 0.00250 | 1 | 03/17/2022 17:31 | WG1832958 |
| Xylenes, Total | 0.0231 | | 0.000880 | 0.00650 | 1 | 03/17/2022 17:31 | WG1832958 |
| Naphthalene | U | | 0.00488 | 0.0125 | 1 | 03/17/2022 17:31 | WG1832958 |
| 1,2,4-Trimethylbenzene | 0.00473 | J | 0.00158 | 0.00500 | 1 | 03/17/2022 17:31 | WG1832958 |
| 1,3,5-Trimethylbenzene | 0.0154 | | 0.00200 | 0.00500 | 1 | 03/17/2022 17:31 | WG1832958 |
| (S) Toluene-d8 | 101 | | | 75.0-131 | | 03/17/2022 17:31 | WG1832958 |
| (S) 4-Bromofluorobenzene | 101 | | | 67.0-138 | | 03/17/2022 17:31 | WG1832958 |
| (S) 1,2-Dichloroethane-d4 | 102 | | | 70.0-130 | | 03/17/2022 17:31 | WG1832958 |

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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|-------------------------|-----------------|-----------|--------------|--------------|----------|-------------------------|---------------------------|
| C10-C28 Diesel Range | 32.8 | | 8.05 | 20.0 | 5 | 03/20/2022 15:05 | WG1834979 |
| C28-C36 Motor Oil Range | 158 | | 1.37 | 20.0 | 5 | 03/20/2022 15:05 | WG1834979 |
| (S) o-Terphenyl | 55.5 | | | 18.0-148 | | 03/20/2022 15:05 | WG1834979 |

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------|-----------|--------------|--------------|----------|-------------------------|---------------------------|
| Anthracene | U | | 0.00230 | 0.00600 | 1 | 03/23/2022 13:25 | WG1835810 |
| Acenaphthene | U | | 0.00209 | 0.00600 | 1 | 03/23/2022 13:25 | WG1835810 |
| Acenaphthylene | U | | 0.00216 | 0.00600 | 1 | 03/23/2022 13:25 | WG1835810 |
| Benzo(a)anthracene | U | | 0.00173 | 0.00600 | 1 | 03/23/2022 13:25 | WG1835810 |
| Benzo(a)pyrene | U | | 0.00179 | 0.00600 | 1 | 03/23/2022 13:25 | WG1835810 |
| Benzo(b)fluoranthene | U | | 0.00153 | 0.00600 | 1 | 03/23/2022 13:25 | WG1835810 |
| Benzo(g,h,i)perylene | U | | 0.00177 | 0.00600 | 1 | 03/23/2022 13:25 | WG1835810 |
| Benzo(k)fluoranthene | U | | 0.00215 | 0.00600 | 1 | 03/23/2022 13:25 | WG1835810 |
| Chrysene | 0.00674 | | 0.00232 | 0.00600 | 1 | 03/23/2022 13:25 | WG1835810 |
| Dibenz(a,h)anthracene | U | | 0.00172 | 0.00600 | 1 | 03/23/2022 13:25 | WG1835810 |
| Fluoranthene | U | | 0.00227 | 0.00600 | 1 | 03/23/2022 13:25 | WG1835810 |
| Fluorene | U | | 0.00205 | 0.00600 | 1 | 03/23/2022 13:25 | WG1835810 |
| Indeno(1,2,3-cd)pyrene | U | | 0.00181 | 0.00600 | 1 | 03/23/2022 13:25 | WG1835810 |
| Naphthalene | U | | 0.00408 | 0.0200 | 1 | 03/23/2022 13:25 | WG1835810 |
| Phenanthrene | U | | 0.00231 | 0.00600 | 1 | 03/23/2022 13:25 | WG1835810 |
| Pyrene | U | | 0.00200 | 0.00600 | 1 | 03/23/2022 13:25 | WG1835810 |
| 1-Methylnaphthalene | U | | 0.00449 | 0.0200 | 1 | 03/23/2022 13:25 | WG1835810 |
| 2-Methylnaphthalene | U | | 0.00427 | 0.0200 | 1 | 03/23/2022 13:25 | WG1835810 |
| 2-Chloronaphthalene | U | | 0.00466 | 0.0200 | 1 | 03/23/2022 13:25 | WG1835810 |
| (S) p-Terphenyl-d14 | 70.3 | | | 23.0-120 | | 03/23/2022 13:25 | WG1835810 |
| (S) Nitrobenzene-d5 | 64.2 | | | 14.0-149 | | 03/23/2022 13:25 | WG1835810 |
| (S) 2-Fluorobiphenyl | 67.1 | | | 34.0-125 | | 03/23/2022 13:25 | WG1835810 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 0.596 | | 1 | 03/18/2022 11:21 | WG1833782 |

Wet Chemistry by Method 7199

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Hexavalent Chromium | U | | 0.255 | 1.00 | 1 | 03/22/2022 17:10 | WG1835990 |

Wet Chemistry by Method 9045D

| Analyte | Result su | Qualifier | Dilution | Analysis date / time | Batch |
|---------|-----------|--------------------|----------|----------------------|---------------------------|
| pH | 8.81 | T8 | 1 | 03/19/2022 08:00 | WG1834689 |

Sample Narrative:

L1471151-02 WG1834689: 8.81 at 19.8C

Wet Chemistry by Method 9050AMod

| Analyte | Result umhos/cm | Qualifier | RDL umhos/cm | Dilution | Analysis date / time | Batch |
|----------------------|-----------------|-----------|--------------|----------|----------------------|---------------------------|
| Specific Conductance | 240 | | 10.0 | 1 | 03/20/2022 07:44 | WG1834475 |

Sample Narrative:

L1471151-02 WG1834475: at 25C

Metals (ICP) by Method 6010B

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------|-------------------|-----------|-----------|----------|----------------------|---------------------------|
| Barium | 279 | | 0.0852 | 0.500 | 1 | 03/17/2022 16:49 | WG1833199 |
| Cadmium | 0.473 | J | 0.0471 | 0.500 | 1 | 03/17/2022 16:49 | WG1833199 |
| Copper | 23.7 | | 0.400 | 2.00 | 1 | 03/17/2022 16:49 | WG1833199 |
| Lead | 13.3 | | 0.208 | 0.500 | 1 | 03/17/2022 16:49 | WG1833199 |
| Nickel | 15.7 | | 0.132 | 2.00 | 1 | 03/17/2022 16:49 | WG1833199 |
| Selenium | U | | 0.764 | 2.00 | 1 | 03/17/2022 16:49 | WG1833199 |
| Silver | U | | 0.127 | 1.00 | 1 | 03/17/2022 16:49 | WG1833199 |
| Zinc | 50.0 | | 0.832 | 5.00 | 1 | 03/17/2022 16:49 | WG1833199 |

Metals (ICP) by Method 6010B-NE493 Ch 2

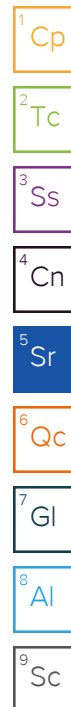
| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|----------------------|-------------|-----------|----------|----------|----------|----------------------|---------------------------|
| Hot Water Sol. Boron | 0.331 | | 0.0167 | 0.200 | 1 | 03/21/2022 09:36 | WG1835477 |

Metals (ICPMS) by Method 6020

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Arsenic | 20.0 | | 0.100 | 1.00 | 5 | 03/16/2022 20:58 | WG1833204 |

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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|--|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.502 | | 0.0217 | 0.100 | 1 | 03/17/2022 12:26 | WG1833013 |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 95.8 | | | 77.0-120 | | 03/17/2022 12:26 | WG1833013 |



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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|-----------------|-----------|--------------|--------------|----------|-------------------------|---------------------------|
| Benzene | U | | 0.000467 | 0.00100 | 1 | 03/17/2022 17:50 | WG1832958 |
| Toluene | 0.00458 | U | 0.00130 | 0.00500 | 1 | 03/17/2022 17:50 | WG1832958 |
| Ethylbenzene | 0.00200 | U | 0.000737 | 0.00250 | 1 | 03/17/2022 17:50 | WG1832958 |
| Xylenes, Total | 0.0689 | | 0.000880 | 0.00650 | 1 | 03/17/2022 17:50 | WG1832958 |
| Naphthalene | U | | 0.00488 | 0.0125 | 1 | 03/17/2022 17:50 | WG1832958 |
| 1,2,4-Trimethylbenzene | 0.0179 | | 0.00158 | 0.00500 | 1 | 03/17/2022 17:50 | WG1832958 |
| 1,3,5-Trimethylbenzene | 0.0717 | | 0.00200 | 0.00500 | 1 | 03/17/2022 17:50 | WG1832958 |
| (S) Toluene-d8 | 103 | | | 75.0-131 | | 03/17/2022 17:50 | WG1832958 |
| (S) 4-Bromofluorobenzene | 105 | | | 67.0-138 | | 03/17/2022 17:50 | WG1832958 |
| (S) 1,2-Dichloroethane-d4 | 102 | | | 70.0-130 | | 03/17/2022 17:50 | WG1832958 |

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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|-------------------------|-----------------|-----------|--------------|--------------|----------|-------------------------|---------------------------|
| C10-C28 Diesel Range | 19.9 | U | 8.05 | 20.0 | 5 | 03/20/2022 15:18 | WG1834979 |
| C28-C36 Motor Oil Range | 94.7 | | 1.37 | 20.0 | 5 | 03/20/2022 15:18 | WG1834979 |
| (S) o-Terphenyl | 42.8 | | | 18.0-148 | | 03/20/2022 15:18 | WG1834979 |

Sample Narrative:

L1471151-02 WG1834979: Cannot run at lower dilution due to viscosity of extract

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------|-----------|--------------|--------------|----------|-------------------------|---------------------------|
| Anthracene | U | | 0.00230 | 0.00600 | 1 | 03/23/2022 14:24 | WG1835810 |
| Acenaphthene | U | | 0.00209 | 0.00600 | 1 | 03/23/2022 14:24 | WG1835810 |
| Acenaphthylene | U | | 0.00216 | 0.00600 | 1 | 03/23/2022 14:24 | WG1835810 |
| Benzo(a)anthracene | U | | 0.00173 | 0.00600 | 1 | 03/23/2022 14:24 | WG1835810 |
| Benzo(a)pyrene | U | | 0.00179 | 0.00600 | 1 | 03/23/2022 14:24 | WG1835810 |
| Benzo(b)fluoranthene | U | | 0.00153 | 0.00600 | 1 | 03/23/2022 14:24 | WG1835810 |
| Benzo(g,h,i)perylene | U | | 0.00177 | 0.00600 | 1 | 03/23/2022 14:24 | WG1835810 |
| Benzo(k)fluoranthene | U | | 0.00215 | 0.00600 | 1 | 03/23/2022 14:24 | WG1835810 |
| Chrysene | U | | 0.00232 | 0.00600 | 1 | 03/23/2022 14:24 | WG1835810 |
| Dibenz(a,h)anthracene | U | | 0.00172 | 0.00600 | 1 | 03/23/2022 14:24 | WG1835810 |
| Fluoranthene | U | | 0.00227 | 0.00600 | 1 | 03/23/2022 14:24 | WG1835810 |
| Fluorene | U | | 0.00205 | 0.00600 | 1 | 03/23/2022 14:24 | WG1835810 |
| Indeno(1,2,3-cd)pyrene | U | | 0.00181 | 0.00600 | 1 | 03/23/2022 14:24 | WG1835810 |
| Naphthalene | U | | 0.00408 | 0.0200 | 1 | 03/23/2022 14:24 | WG1835810 |
| Phenanthrene | U | | 0.00231 | 0.00600 | 1 | 03/23/2022 14:24 | WG1835810 |
| Pyrene | U | | 0.00200 | 0.00600 | 1 | 03/23/2022 14:24 | WG1835810 |
| 1-Methylnaphthalene | U | | 0.00449 | 0.0200 | 1 | 03/23/2022 14:24 | WG1835810 |
| 2-Methylnaphthalene | 0.00664 | U | 0.00427 | 0.0200 | 1 | 03/23/2022 14:24 | WG1835810 |
| 2-Chloronaphthalene | U | | 0.00466 | 0.0200 | 1 | 03/23/2022 14:24 | WG1835810 |
| (S) p-Terphenyl-d14 | 75.5 | | | 23.0-120 | | 03/23/2022 14:24 | WG1835810 |
| (S) Nitrobenzene-d5 | 69.4 | | | 14.0-149 | | 03/23/2022 14:24 | WG1835810 |
| (S) 2-Fluorobiphenyl | 70.6 | | | 34.0-125 | | 03/23/2022 14:24 | WG1835810 |

Method Blank (MB)

(MB) R3772989-1 03/22/22 16:52

| | MB Result | MB Qualifier | MB MDL | MB RDL |
|---------------------|-----------|--------------|--------|--------|
| Analyte | mg/kg | | mg/kg | mg/kg |
| Hexavalent Chromium | U | | 0.255 | 1.00 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1472457-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1472457-02 03/22/22 18:33 • (DUP) R3772989-7 03/22/22 18:38

| | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/kg | mg/kg | | % | | % |
| Hexavalent Chromium | U | U | 1 | 0.000 | | 20 |

L1472464-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1472464-04 03/22/22 19:20 • (DUP) R3772989-8 03/22/22 19:25

| | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/kg | mg/kg | | % | | % |
| Hexavalent Chromium | U | U | 1 | 0.000 | | 20 |

Laboratory Control Sample (LCS)

(LCS) R3772989-2 03/22/22 17:00

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------------------|--------------|------------|----------|-------------|---------------|
| Analyte | mg/kg | mg/kg | % | % | |
| Hexavalent Chromium | 10.0 | 9.89 | 98.9 | 80.0-120 | |

L1472337-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1472337-01 03/22/22 17:31 • (MS) R3772989-3 03/22/22 17:36 • (MSD) R3772989-4 03/22/22 17:41

| | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD | RPD Limits |
|---------------------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
| Analyte | mg/kg | mg/kg | mg/kg | mg/kg | % | % | | % | | | % | % |
| Hexavalent Chromium | 20.0 | U | 0.704 | 0.899 | 3.52 | 4.50 | 1 | 75.0-125 | J6 | J3 J6 | 24.4 | 20 |

Sample Narrative:

OS: Sample is a reducer.

L1472337-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1472337-01 03/22/22 17:31 • (MS) R3772989-5 03/22/22 17:57

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MS Rec. % | Dilution | Rec. Limits % | <u>MS Qualifier</u> |
|---------------------|-----------------------|--------------------------|--------------------|--------------|----------|------------------|---------------------|
| Hexavalent Chromium | 661 | U | 173 | 26.1 | 50 | 75.0-125 | <u>J6</u> |

Sample Narrative:

OS: Sample is a reducer.

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1471182-121 Original Sample (OS) • Duplicate (DUP)

(OS) L1471182-121 03/19/22 08:00 • (DUP) R3771623-2 03/19/22 08:00

| | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte | su | su | | % | | % |
| pH | 7.77 | 7.76 | 1 | 0.129 | | 1 |

Sample Narrative:

OS: 7.77 at 19.8C

DUP: 7.76 at 19.8C

L1471182-41 Original Sample (OS) • Duplicate (DUP)

(OS) L1471182-41 03/19/22 08:00 • (DUP) R3771623-3 03/19/22 08:00

| | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte | su | su | | % | | % |
| pH | 7.82 | 7.81 | 1 | 0.128 | | 1 |

Sample Narrative:

OS: 7.82 at 19.9C

DUP: 7.81 at 20C

Laboratory Control Sample (LCS)

(LCS) R3771623-1 03/19/22 08:00

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | <u>LCS Qualifier</u> |
|---------|--------------|------------|----------|-------------|----------------------|
| Analyte | su | su | % | % | |
| pH | 10.0 | 9.95 | 99.5 | 99.0-101 | |

Sample Narrative:

LCS: 9.95 at 19.8C

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3770743-1 03/17/22 09:04

| 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

L1470970-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1470970-02 03/17/22 09:04 • (DUP) R3770743-3 03/17/22 09:04

| Analyte | Original Result umhos/cm | DUP Result umhos/cm | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------------------|-----------------------------|------------------------|----------|--------------|---------------|------------------------|
| Specific Conductance | 425 | 434 | 1 | 2.10 | | 20 |

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

L1471613-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1471613-05 03/17/22 09:04 • (DUP) R3770743-4 03/17/22 09:04

| Analyte | Original Result umhos/cm | DUP Result umhos/cm | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------------------|-----------------------------|------------------------|----------|--------------|---------------|------------------------|
| Specific Conductance | 2880 | 3040 | 1 | 5.27 | | 20 |

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

Laboratory Control Sample (LCS)

(LCS) R3770743-2 03/17/22 09:04

| Analyte | Spike Amount umhos/cm | LCS Result umhos/cm | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------|--------------------------|------------------------|---------------|------------------|---------------|
| Specific Conductance | 268 | 264 | 98.4 | 85.0-115 | |

Sample Narrative:
LCS: at 25C

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3771731-1 03/20/22 07:44

| 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

L1471637-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1471637-08 03/20/22 07:44 • (DUP) R3771731-3 03/20/22 07:44

| Analyte | Original Result umhos/cm | DUP Result umhos/cm | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------------------|-----------------------------|------------------------|----------|--------------|---------------|------------------------|
| Specific Conductance | 4360 | 4630 | 1 | 6.01 | | 20 |

Sample Narrative:

OS: at 25C

DUP: at 25C

L1472324-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1472324-03 03/20/22 07:44 • (DUP) R3771731-4 03/20/22 07:44

| Analyte | Original Result umhos/cm | DUP Result umhos/cm | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------------------|-----------------------------|------------------------|----------|--------------|---------------|------------------------|
| Specific Conductance | 12100 | 12600 | 1 | 3.32 | | 20 |

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R3771731-2 03/20/22 07:44

| Analyte | Spike Amount umhos/cm | LCS Result umhos/cm | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------|--------------------------|------------------------|---------------|------------------|---------------|
| Specific Conductance | 268 | 266 | 99.1 | 85.0-115 | |

Sample Narrative:

LCS: at 25C

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R3771186-1 03/17/22 15:57

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|----------|--------------------|--------------|-----------------|-----------------|
| Barium | U | | 0.0852 | 0.500 |
| Cadmium | U | | 0.0471 | 0.500 |
| Copper | U | | 0.400 | 2.00 |
| Lead | U | | 0.208 | 0.500 |
| Nickel | U | | 0.132 | 2.00 |
| Selenium | U | | 0.764 | 2.00 |
| Silver | U | | 0.127 | 1.00 |
| Zinc | U | | 0.832 | 5.00 |

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3771186-2 03/17/22 15:59

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------|-----------------------|---------------------|---------------|------------------|---------------|
| Barium | 100 | 92.9 | 92.9 | 80.0-120 | |
| Cadmium | 100 | 88.5 | 88.5 | 80.0-120 | |
| Copper | 100 | 94.1 | 94.1 | 80.0-120 | |
| Lead | 100 | 90.3 | 90.3 | 80.0-120 | |
| Nickel | 100 | 94.2 | 94.2 | 80.0-120 | |
| Selenium | 100 | 90.6 | 90.6 | 80.0-120 | |
| Silver | 20.0 | 17.3 | 86.3 | 80.0-120 | |
| Zinc | 100 | 88.0 | 88.0 | 80.0-120 | |

L1470579-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1470579-07 03/17/22 16:02 • (MS) R3771186-5 03/17/22 16:10 • (MSD) R3771186-6 03/17/22 16:13

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|----------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Barium | 100 | 208 | 362 | 360 | 154 | 152 | 1 | 75.0-125 | J5 | J5 | 0.638 | 20 |
| Cadmium | 100 | 0.457 | 89.0 | 91.1 | 88.6 | 90.6 | 1 | 75.0-125 | | | 2.28 | 20 |
| Copper | 100 | 18.8 | 119 | 114 | 99.8 | 95.6 | 1 | 75.0-125 | | | 3.60 | 20 |
| Lead | 100 | 13.0 | 106 | 106 | 93.0 | 92.6 | 1 | 75.0-125 | | | 0.366 | 20 |
| Nickel | 100 | 16.7 | 113 | 107 | 96.5 | 90.2 | 1 | 75.0-125 | | | 5.75 | 20 |
| Selenium | 100 | U | 90.7 | 94.0 | 90.7 | 94.0 | 1 | 75.0-125 | | | 3.54 | 20 |
| Silver | 20.0 | U | 17.6 | 17.8 | 88.0 | 89.2 | 1 | 75.0-125 | | | 1.36 | 20 |
| Zinc | 100 | 40.0 | 131 | 123 | 91.1 | 83.3 | 1 | 75.0-125 | | | 6.16 | 20 |

Method Blank (MB)

(MB) R3772147-1 03/21/22 09:14

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|----------------------|-------------------|--------------|----------------|----------------|
| Hot Water Sol. Boron | U | | 0.0167 | 0.200 |

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

(LCS) R3772147-2 03/21/22 09:17 • (LCSD) R3772147-3 03/21/22 09:20

| 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 % |
|----------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Hot Water Sol. Boron | 1.00 | 0.974 | 0.994 | 97.4 | 99.4 | 80.0-120 | | | 2.00 | 20 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3770640-1 03/16/22 19:39

| | MB Result | MB Qualifier | MB MDL | MB RDL |
|---------|-----------|--------------|--------|--------|
| Analyte | mg/kg | | mg/kg | mg/kg |
| Arsenic | U | | 0.100 | 1.00 |

Laboratory Control Sample (LCS)

(LCS) R3770640-2 03/16/22 19:42

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------|--------------|------------|----------|-------------|---------------|
| Analyte | mg/kg | mg/kg | % | % | |
| Arsenic | 100 | 85.2 | 85.2 | 80.0-120 | |

L1470579-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1470579-07 03/16/22 19:46 • (MS) R3770640-5 03/16/22 19:56 • (MSD) R3770640-6 03/16/22 19:59

| | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD | RPD Limits |
|---------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
| Analyte | mg/kg | mg/kg | mg/kg | mg/kg | % | % | | % | | | % | % |
| Arsenic | 100 | 15.8 | 97.6 | 95.0 | 81.8 | 79.2 | 5 | 75.0-125 | | | 2.63 | 20 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3770952-2 03/17/22 04:28

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction | U | | 0.0217 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 98.6 | | | 77.0-120 |

Laboratory Control Sample (LCS)

(LCS) R3770952-1 03/17/22 03:41

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction | 5.50 | 4.61 | 83.8 | 72.0-127 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 98.6 | 77.0-120 | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3771335-3 03/17/22 15:33

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene | U | | 0.000467 | 0.00100 |
| Toluene | U | | 0.00130 | 0.00500 |
| Ethylbenzene | U | | 0.000737 | 0.00250 |
| Xylenes, Total | U | | 0.000880 | 0.00650 |
| Naphthalene | U | | 0.00488 | 0.0125 |
| 1,2,4-Trimethylbenzene | U | | 0.00158 | 0.00500 |
| 1,3,5-Trimethylbenzene | U | | 0.00200 | 0.00500 |
| (S) Toluene-d8 | 106 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 101 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 101 | | | 70.0-130 |

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

(LCS) R3771335-1 03/17/22 14:17 • (LCSD) R3771335-2 03/17/22 14:36

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCSD Result mg/kg | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Benzene | 0.125 | 0.130 | 0.127 | 104 | 102 | 70.0-123 | | | 2.33 | 20 |
| Toluene | 0.125 | 0.136 | 0.130 | 109 | 104 | 75.0-121 | | | 4.51 | 20 |
| Ethylbenzene | 0.125 | 0.136 | 0.128 | 109 | 102 | 74.0-126 | | | 6.06 | 20 |
| Xylenes, Total | 0.375 | 0.421 | 0.403 | 112 | 107 | 72.0-127 | | | 4.37 | 20 |
| Naphthalene | 0.125 | 0.121 | 0.116 | 96.8 | 92.8 | 59.0-130 | | | 4.22 | 20 |
| 1,2,4-Trimethylbenzene | 0.125 | 0.114 | 0.110 | 91.2 | 88.0 | 70.0-126 | | | 3.57 | 20 |
| 1,3,5-Trimethylbenzene | 0.125 | 0.119 | 0.114 | 95.2 | 91.2 | 73.0-127 | | | 4.29 | 20 |
| (S) Toluene-d8 | | | | 105 | 102 | 75.0-131 | | | | |
| (S) 4-Bromofluorobenzene | | | | 101 | 100 | 67.0-138 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | 110 | 108 | 70.0-130 | | | | |

L1471428-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1471428-09 03/17/22 21:55 • (MS) R3771335-4 03/17/22 23:11 • (MSD) R3771335-5 03/17/22 23:30

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|------------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Benzene | 0.124 | U | 0.143 | 0.141 | 115 | 114 | 1 | 10.0-149 | | | 1.41 | 37 |
| Toluene | 0.124 | U | 0.145 | 0.144 | 117 | 116 | 1 | 10.0-156 | | | 0.692 | 38 |
| Ethylbenzene | 0.124 | U | 0.145 | 0.145 | 117 | 117 | 1 | 10.0-160 | | | 0.000 | 38 |
| Xylenes, Total | 0.372 | U | 0.443 | 0.441 | 119 | 119 | 1 | 10.0-160 | | | 0.452 | 38 |
| Naphthalene | 0.124 | U | 0.126 | 0.135 | 102 | 109 | 1 | 10.0-160 | | | 6.90 | 36 |
| 1,2,4-Trimethylbenzene | 0.124 | U | 0.125 | 0.126 | 101 | 102 | 1 | 10.0-160 | | | 0.797 | 36 |
| 1,3,5-Trimethylbenzene | 0.124 | U | 0.128 | 0.134 | 103 | 108 | 1 | 10.0-160 | | | 4.58 | 38 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1471428-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1471428-09 03/17/22 21:55 • (MS) R3771335-4 03/17/22 23:11 • (MSD) R3771335-5 03/17/22 23:30

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | <u>MS Qualifier</u> | <u>MSD Qualifier</u> | RPD % | RPD Limits % |
|---------------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|---------------------|----------------------|----------|-----------------|
| (S) Toluene-d8 | | | | | 104 | 103 | | 75.0-131 | | | | |
| (S) 4-Bromofluorobenzene | | | | | 102 | 101 | | 67.0-138 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | | 107 | 106 | | 70.0-130 | | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3771872-1 03/20/22 10:19

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|-------------------------|--------------------|--------------|-----------------|-----------------|
| C10-C28 Diesel Range | U | | 1.61 | 4.00 |
| C28-C36 Motor Oil Range | U | | 0.274 | 4.00 |
| (S) o-Terphenyl | 49.8 | | | 18.0-148 |

Laboratory Control Sample (LCS)

(LCS) R3771872-2 03/20/22 10:32

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0 | 26.7 | 53.4 | 50.0-150 | |
| (S) o-Terphenyl | | | 59.5 | 18.0-148 | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3773170-2 03/23/22 09:09

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------|--------------------|--------------|-----------------|-----------------|
| Anthracene | U | | 0.00230 | 0.00600 |
| Acenaphthene | U | | 0.00209 | 0.00600 |
| Acenaphthylene | U | | 0.00216 | 0.00600 |
| Benzo(a)anthracene | U | | 0.00173 | 0.00600 |
| Benzo(a)pyrene | U | | 0.00179 | 0.00600 |
| Benzo(b)fluoranthene | U | | 0.00153 | 0.00600 |
| Benzo(g,h,i)perylene | U | | 0.00177 | 0.00600 |
| Benzo(k)fluoranthene | U | | 0.00215 | 0.00600 |
| Chrysene | U | | 0.00232 | 0.00600 |
| Dibenz(a,h)anthracene | U | | 0.00172 | 0.00600 |
| Fluoranthene | U | | 0.00227 | 0.00600 |
| Fluorene | U | | 0.00205 | 0.00600 |
| Indeno(1,2,3-cd)pyrene | U | | 0.00181 | 0.00600 |
| Naphthalene | U | | 0.00408 | 0.0200 |
| Phenanthrene | U | | 0.00231 | 0.00600 |
| Pyrene | U | | 0.00200 | 0.00600 |
| 1-Methylnaphthalene | U | | 0.00449 | 0.0200 |
| 2-Methylnaphthalene | U | | 0.00427 | 0.0200 |
| 2-Chloronaphthalene | U | | 0.00466 | 0.0200 |
| (S) p-Terphenyl-d14 | 83.6 | | | 23.0-120 |
| (S) Nitrobenzene-d5 | 69.7 | | | 14.0-149 |
| (S) 2-Fluorobiphenyl | 74.5 | | | 34.0-125 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R3773170-1 03/23/22 08:49

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|-----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Anthracene | 0.0800 | 0.0637 | 79.6 | 50.0-126 | |
| Acenaphthene | 0.0800 | 0.0591 | 73.9 | 50.0-120 | |
| Acenaphthylene | 0.0800 | 0.0588 | 73.5 | 50.0-120 | |
| Benzo(a)anthracene | 0.0800 | 0.0622 | 77.8 | 45.0-120 | |
| Benzo(a)pyrene | 0.0800 | 0.0657 | 82.1 | 42.0-120 | |
| Benzo(b)fluoranthene | 0.0800 | 0.0646 | 80.7 | 42.0-121 | |
| Benzo(g,h,i)perylene | 0.0800 | 0.0621 | 77.6 | 45.0-125 | |
| Benzo(k)fluoranthene | 0.0800 | 0.0659 | 82.4 | 49.0-125 | |
| Chrysene | 0.0800 | 0.0650 | 81.3 | 49.0-122 | |
| Dibenz(a,h)anthracene | 0.0800 | 0.0653 | 81.6 | 47.0-125 | |
| Fluoranthene | 0.0800 | 0.0675 | 84.4 | 49.0-129 | |

Laboratory Control Sample (LCS)

(LCS) R3773170-1 03/23/22 08:49

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Fluorene | 0.0800 | 0.0650 | 81.3 | 49.0-120 | |
| Indeno(1,2,3-cd)pyrene | 0.0800 | 0.0668 | 83.5 | 46.0-125 | |
| Naphthalene | 0.0800 | 0.0586 | 73.3 | 50.0-120 | |
| Phenanthrene | 0.0800 | 0.0596 | 74.5 | 47.0-120 | |
| Pyrene | 0.0800 | 0.0603 | 75.4 | 43.0-123 | |
| 1-Methylnaphthalene | 0.0800 | 0.0621 | 77.6 | 51.0-121 | |
| 2-Methylnaphthalene | 0.0800 | 0.0641 | 80.1 | 50.0-120 | |
| 2-Chloronaphthalene | 0.0800 | 0.0565 | 70.6 | 50.0-120 | |
| (S) p-Terphenyl-d14 | | | 82.3 | 23.0-120 | |
| (S) Nitrobenzene-d5 | | | 76.3 | 14.0-149 | |
| (S) 2-Fluorobiphenyl | | | 79.7 | 34.0-125 | |

L1471151-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1471151-01 03/23/22 13:25 • (MS) R3773170-3 03/23/22 13:44 • (MSD) R3773170-4 03/23/22 14:04

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|------------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Anthracene | 0.0800 | U | 0.0636 | 0.0613 | 79.5 | 76.6 | 1 | 10.0-145 | | | 3.68 | 30 |
| Acenaphthene | 0.0800 | U | 0.0590 | 0.0576 | 73.8 | 72.0 | 1 | 14.0-127 | | | 2.40 | 27 |
| Acenaphthylene | 0.0800 | U | 0.0577 | 0.0570 | 72.1 | 71.3 | 1 | 21.0-124 | | | 1.22 | 25 |
| Benzo(a)anthracene | 0.0800 | U | 0.0657 | 0.0646 | 82.1 | 80.7 | 1 | 10.0-139 | | | 1.69 | 30 |
| Benzo(a)pyrene | 0.0800 | U | 0.0684 | 0.0666 | 85.5 | 83.3 | 1 | 10.0-141 | | | 2.67 | 31 |
| Benzo(b)fluoranthene | 0.0800 | U | 0.0598 | 0.0584 | 74.8 | 73.0 | 1 | 10.0-140 | | | 2.37 | 36 |
| Benzo(g,h,i)perylene | 0.0800 | U | 0.0558 | 0.0539 | 69.8 | 67.4 | 1 | 10.0-140 | | | 3.46 | 33 |
| Benzo(k)fluoranthene | 0.0800 | U | 0.0601 | 0.0590 | 75.1 | 73.8 | 1 | 10.0-137 | | | 1.85 | 31 |
| Chrysene | 0.0800 | 0.00674 | 0.0651 | 0.0618 | 72.9 | 68.8 | 1 | 10.0-145 | | | 5.20 | 30 |
| Dibenz(a,h)anthracene | 0.0800 | U | 0.0585 | 0.0572 | 73.1 | 71.5 | 1 | 10.0-132 | | | 2.25 | 31 |
| Fluoranthene | 0.0800 | U | 0.0681 | 0.0661 | 85.1 | 82.6 | 1 | 10.0-153 | | | 2.98 | 33 |
| Fluorene | 0.0800 | U | 0.0635 | 0.0626 | 79.4 | 78.3 | 1 | 11.0-130 | | | 1.43 | 29 |
| Indeno(1,2,3-cd)pyrene | 0.0800 | U | 0.0610 | 0.0588 | 76.3 | 73.5 | 1 | 10.0-137 | | | 3.67 | 32 |
| Naphthalene | 0.0800 | U | 0.0614 | 0.0590 | 76.8 | 73.8 | 1 | 10.0-135 | | | 3.99 | 27 |
| Phenanthrene | 0.0800 | U | 0.0604 | 0.0562 | 75.5 | 70.3 | 1 | 10.0-144 | | | 7.20 | 31 |
| Pyrene | 0.0800 | U | 0.0603 | 0.0578 | 75.4 | 72.3 | 1 | 10.0-148 | | | 4.23 | 35 |
| 1-Methylnaphthalene | 0.0800 | U | 0.0654 | 0.0631 | 81.8 | 78.9 | 1 | 10.0-142 | | | 3.58 | 28 |
| 2-Methylnaphthalene | 0.0800 | U | 0.0663 | 0.0634 | 82.9 | 79.3 | 1 | 10.0-137 | | | 4.47 | 28 |
| 2-Chloronaphthalene | 0.0800 | U | 0.0559 | 0.0537 | 69.9 | 67.1 | 1 | 29.0-120 | | | 4.01 | 24 |
| (S) p-Terphenyl-d14 | | | | | 75.1 | 71.3 | | 23.0-120 | | | | |
| (S) Nitrobenzene-d5 | | | | | 70.5 | 65.7 | | 14.0-149 | | | | |
| (S) 2-Fluorobiphenyl | | | | | 70.4 | 68.2 | | 34.0-125 | | | | |

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.

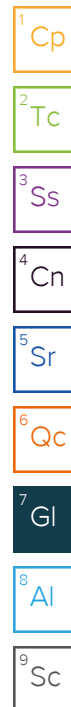
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. 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. |
| J3 | The associated batch QC was outside the established quality control range for precision. |
| J5 | The sample matrix interfered with the ability to make any accurate determination; spike value is high. |
| J6 | The sample matrix interfered with the ability to make any accurate determination; spike value is low. |
| 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.



March 24, 2022

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Entrada Consulting Group

Sample Delivery Group: L1472337

Samples Received: 03/17/2022

Project Number:

Description: 697-16D Spill

Report To:

Stuart Hall

240 Mesa Avenue

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

TABLE OF CONTENTS

| | |
|---|-----------|
| Cp: Cover Page | 1 |
| Tc: Table of Contents | 2 |
| Ss: Sample Summary | 3 |
| Cn: Case Narrative | 5 |
| Sr: Sample Results | 6 |
| 20220316-697-16D-BASE (18') L1472337-01 | 6 |
| 20220316-697-16D-E (16') L1472337-02 | 8 |
| 20220316-697-16D-NE (10') L1472337-03 | 10 |
| 20220316-697-16D-S BASE (20') L1472337-04 | 12 |
| 20220316-697-16D- ESE (18') L1472337-05 | 14 |
| Qc: Quality Control Summary | 16 |
| Wet Chemistry by Method 7199 | 16 |
| Wet Chemistry by Method 9045D | 18 |
| Wet Chemistry by Method 9050AMod | 21 |
| Metals (ICP) by Method 6010B | 22 |
| Metals (ICP) by Method 6010B-NE493 Ch 2 | 23 |
| Metals (ICPMS) by Method 6020 | 24 |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | 25 |
| Volatile Organic Compounds (GC/MS) by Method 8260B | 26 |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | 27 |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM | 28 |
| Gl: Glossary of Terms | 30 |
| Al: Accreditations & Locations | 31 |
| Sc: Sample Chain of Custody | 32 |



SAMPLE SUMMARY

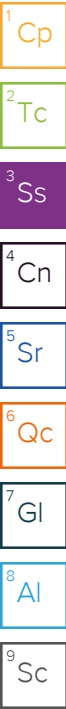
20220316-697-16D-BASE (18') L1472337-01 Solid

Collected by
R. Johnson

Collected date/time
03/16/22 09:00

Received date/time
03/17/22 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results | WG1835064 | 1 | 03/22/22 23:28 | 03/22/22 23:28 | ZSA | Mt. Juliet, TN |
| Wet Chemistry by Method 7199 | WG1835990 | 1 | 03/22/22 00:30 | 03/22/22 17:31 | JER | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D | WG1834766 | 1 | 03/18/22 13:39 | 03/19/22 11:00 | GI | Mt. Juliet, TN |
| Wet Chemistry by Method 9050AMod | WG1835299 | 1 | 03/20/22 02:21 | 03/20/22 08:17 | ARD | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1834218 | 1 | 03/21/22 16:07 | 03/22/22 10:59 | CCE | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B-NE493 Ch 2 | WG1835069 | 1 | 03/22/22 08:07 | 03/23/22 00:28 | ZSA | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020 | WG1834220 | 5 | 03/21/22 16:45 | 03/21/22 21:31 | LD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1834439 | 1 | 03/17/22 16:38 | 03/19/22 02:07 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1835107 | 1 | 03/17/22 16:38 | 03/20/22 17:12 | JHH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG1836016 | 5 | 03/22/22 04:56 | 03/22/22 16:50 | TJD | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM | WG1835810 | 1 | 03/22/22 23:50 | 03/23/22 14:43 | LEA | Mt. Juliet, TN |



20220316-697-16D-E (16') L1472337-02 Solid

Collected by
R. Johnson

Collected date/time
03/16/22 09:30

Received date/time
03/17/22 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results | WG1835064 | 1 | 03/22/22 23:31 | 03/22/22 23:31 | ZSA | Mt. Juliet, TN |
| Wet Chemistry by Method 7199 | WG1835990 | 1 | 03/22/22 00:30 | 03/22/22 18:07 | JER | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D | WG1834766 | 1 | 03/18/22 13:39 | 03/19/22 11:00 | GI | Mt. Juliet, TN |
| Wet Chemistry by Method 9050AMod | WG1835299 | 1 | 03/20/22 02:21 | 03/20/22 08:17 | ARD | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1834218 | 1 | 03/21/22 16:07 | 03/22/22 11:02 | CCE | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B-NE493 Ch 2 | WG1835069 | 1 | 03/22/22 08:07 | 03/23/22 00:31 | ZSA | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020 | WG1834220 | 5 | 03/21/22 16:45 | 03/21/22 21:35 | LD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1834439 | 1 | 03/17/22 16:38 | 03/19/22 02:29 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1835107 | 1 | 03/17/22 16:38 | 03/20/22 17:33 | JHH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG1836016 | 5 | 03/22/22 04:56 | 03/22/22 17:17 | TJD | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM | WG1835810 | 1 | 03/22/22 23:50 | 03/23/22 15:03 | LEA | Mt. Juliet, TN |

20220316-697-16D-NE (10') L1472337-03 Solid

Collected by
R. Johnson

Collected date/time
03/16/22 09:15

Received date/time
03/17/22 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results | WG1835064 | 1 | 03/22/22 23:34 | 03/22/22 23:34 | ZSA | Mt. Juliet, TN |
| Wet Chemistry by Method 7199 | WG1835990 | 1 | 03/22/22 00:30 | 03/22/22 18:12 | JER | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D | WG1834731 | 1 | 03/18/22 14:00 | 03/19/22 09:00 | GI | Mt. Juliet, TN |
| Wet Chemistry by Method 9050AMod | WG1835299 | 1 | 03/20/22 02:21 | 03/20/22 08:17 | ARD | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1834218 | 1 | 03/21/22 16:07 | 03/22/22 11:11 | CCE | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B-NE493 Ch 2 | WG1835069 | 1 | 03/22/22 08:07 | 03/23/22 00:34 | ZSA | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020 | WG1834220 | 5 | 03/21/22 16:45 | 03/21/22 21:51 | LD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1834439 | 1 | 03/17/22 16:38 | 03/19/22 02:50 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1835107 | 1 | 03/17/22 16:38 | 03/20/22 17:55 | JHH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG1836016 | 10 | 03/22/22 04:56 | 03/22/22 18:12 | TJD | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM | WG1835810 | 1 | 03/22/22 23:50 | 03/23/22 13:05 | LEA | Mt. Juliet, TN |

20220316-697-16D-S BASE (20') L1472337-04 Solid

Collected by
R. Johnson

Collected date/time
03/16/22 10:00

Received date/time
03/17/22 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|----------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results | WG1835064 | 1 | 03/22/22 23:37 | 03/22/22 23:37 | ZSA | Mt. Juliet, TN |
| Wet Chemistry by Method 7199 | WG1835990 | 1 | 03/22/22 00:30 | 03/22/22 18:17 | JER | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D | WG1834731 | 1 | 03/18/22 14:00 | 03/19/22 09:00 | GI | Mt. Juliet, TN |
| Wet Chemistry by Method 9050AMod | WG1835299 | 1 | 03/20/22 02:21 | 03/20/22 08:17 | ARD | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1834218 | 1 | 03/21/22 16:07 | 03/22/22 11:14 | CCE | Mt. Juliet, TN |

SAMPLE SUMMARY

20220316-697-16D-S BASE (20') L1472337-04 Solid

Collected by
R. Johnson

Collected date/time
03/16/22 10:00

Received date/time
03/17/22 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Metals (ICP) by Method 6010B-NE493 Ch 2 | WG1835069 | 1 | 03/22/22 08:07 | 03/23/22 00:37 | ZSA | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020 | WG1834220 | 5 | 03/21/22 16:45 | 03/21/22 21:55 | LD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1834439 | 1 | 03/17/22 16:38 | 03/19/22 03:12 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1835107 | 1 | 03/17/22 16:38 | 03/20/22 18:16 | JHH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG1836016 | 1 | 03/22/22 04:56 | 03/22/22 16:09 | TJD | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG1836016 | 5 | 03/22/22 04:56 | 03/23/22 01:35 | JN | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM | WG1835810 | 1 | 03/22/22 23:50 | 03/23/22 15:42 | LEA | Mt. Juliet, TN |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

20220316-697-16D- ESE (18') L1472337-05 Solid

Collected by
R. Johnson

Collected date/time
03/16/22 13:30

Received date/time
03/17/22 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results | WG1835064 | 1 | 03/22/22 23:40 | 03/22/22 23:40 | ZSA | Mt. Juliet, TN |
| Wet Chemistry by Method 7199 | WG1835990 | 1 | 03/22/22 00:30 | 03/22/22 18:23 | JER | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D | WG1834785 | 1 | 03/18/22 14:00 | 03/19/22 14:00 | GI | Mt. Juliet, TN |
| Wet Chemistry by Method 9050AMod | WG1835299 | 1 | 03/20/22 02:21 | 03/20/22 08:17 | ARD | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1834218 | 1 | 03/21/22 16:07 | 03/22/22 11:17 | CCE | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B-NE493 Ch 2 | WG1835069 | 1 | 03/22/22 08:07 | 03/23/22 00:40 | ZSA | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020 | WG1834220 | 5 | 03/21/22 16:45 | 03/21/22 21:59 | LD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1834439 | 1 | 03/17/22 16:38 | 03/19/22 03:34 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1835107 | 1 | 03/17/22 16:38 | 03/20/22 18:37 | JHH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG1836016 | 1 | 03/22/22 04:56 | 03/22/22 16:22 | TJD | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG1836016 | 5 | 03/22/22 04:56 | 03/23/22 02:02 | JN | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM | WG1835810 | 1 | 03/22/22 23:50 | 03/23/22 15:23 | LEA | Mt. Juliet, TN |

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.



Chris Ward
Project Manager



Calculated Results

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 2.12 | | 1 | 03/22/2022 23:28 | WG1835064 |

Wet Chemistry by Method 7199

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------------------|--------------|-----------|-----------|-----------|----------|----------------------|-----------|
| Hexavalent Chromium | U | J3 J6 | 0.255 | 1.00 | 1 | 03/22/2022 17:31 | WG1835990 |

Sample Narrative:

L1472337-01 WG1835990: Sample is a reducer.

Wet Chemistry by Method 9045D

| Analyte | Result su | Qualifier | Dilution | Analysis date / time | Batch |
|---------|-----------|-----------|----------|----------------------|-----------|
| pH | 8.39 | T8 | 1 | 03/19/2022 11:00 | WG1834766 |

Sample Narrative:

L1472337-01 WG1834766: 8.39 at 20.2C

Wet Chemistry by Method 9050AMod

| Analyte | Result umhos/cm | Qualifier | RDL umhos/cm | Dilution | Analysis date / time | Batch |
|----------------------|-----------------|-----------|--------------|----------|----------------------|-----------|
| Specific Conductance | 334 | | 10.0 | 1 | 03/20/2022 08:17 | WG1835299 |

Sample Narrative:

L1472337-01 WG1835299: at 25C

Metals (ICP) by Method 6010B

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|-----------|
| Barium | 217 | | 0.0852 | 0.500 | 1 | 03/22/2022 10:59 | WG1834218 |
| Cadmium | 0.431 | J | 0.0471 | 0.500 | 1 | 03/22/2022 10:59 | WG1834218 |
| Copper | 19.2 | | 0.400 | 2.00 | 1 | 03/22/2022 10:59 | WG1834218 |
| Lead | 12.5 | | 0.208 | 0.500 | 1 | 03/22/2022 10:59 | WG1834218 |
| Nickel | 16.7 | | 0.132 | 2.00 | 1 | 03/22/2022 10:59 | WG1834218 |
| Selenium | 1.30 | J | 0.764 | 2.00 | 1 | 03/22/2022 10:59 | WG1834218 |
| Silver | U | | 0.127 | 1.00 | 1 | 03/22/2022 10:59 | WG1834218 |
| Zinc | 54.4 | | 0.832 | 5.00 | 1 | 03/22/2022 10:59 | WG1834218 |

Metals (ICP) by Method 6010B-NE493 Ch 2

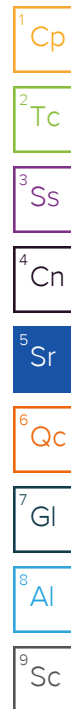
| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|----------------------|-------------|-----------|----------|----------|----------|----------------------|-----------|
| Hot Water Sol. Boron | 0.946 | | 0.0167 | 0.200 | 1 | 03/23/2022 00:28 | WG1835069 |

Metals (ICPMS) by Method 6020

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------|--------------|-----------|-----------|-----------|----------|----------------------|-----------|
| Arsenic | 12.0 | | 0.100 | 1.00 | 5 | 03/21/2022 21:31 | WG1834220 |

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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|-----------|
| TPH (GC/FID) Low Fraction | 0.321 | | 0.0217 | 0.100 | 1 | 03/19/2022 02:07 | WG1834439 |



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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---|-----------------|-----------|--------------|--------------|----------|-------------------------|---------------------------|
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 103 | | | 77.0-120 | | 03/19/2022 02:07 | WG1834439 |

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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|-----------------|-----------|--------------|--------------|----------|-------------------------|---------------------------|
| Benzene | 0.000495 | J | 0.000467 | 0.00100 | 1 | 03/20/2022 17:12 | WG1835107 |
| Toluene | 0.00282 | J | 0.00130 | 0.00500 | 1 | 03/20/2022 17:12 | WG1835107 |
| Ethylbenzene | U | | 0.000737 | 0.00250 | 1 | 03/20/2022 17:12 | WG1835107 |
| Xylenes, Total | 0.0171 | | 0.000880 | 0.00650 | 1 | 03/20/2022 17:12 | WG1835107 |
| Naphthalene | U | | 0.00488 | 0.0125 | 1 | 03/20/2022 17:12 | WG1835107 |
| 1,2,4-Trimethylbenzene | 0.00275 | J | 0.00158 | 0.00500 | 1 | 03/20/2022 17:12 | WG1835107 |
| 1,3,5-Trimethylbenzene | 0.00681 | | 0.00200 | 0.00500 | 1 | 03/20/2022 17:12 | WG1835107 |
| (S) Toluene-d8 | 93.9 | | | 75.0-131 | | 03/20/2022 17:12 | WG1835107 |
| (S) 4-Bromofluorobenzene | 97.1 | | | 67.0-138 | | 03/20/2022 17:12 | WG1835107 |
| (S) 1,2-Dichloroethane-d4 | 103 | | | 70.0-130 | | 03/20/2022 17:12 | WG1835107 |

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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|-------------------------|-----------------|-----------|--------------|--------------|----------|-------------------------|---------------------------|
| C10-C28 Diesel Range | 60.9 | B | 8.05 | 20.0 | 5 | 03/22/2022 16:50 | WG1836016 |
| C28-C36 Motor Oil Range | 270 | | 1.37 | 20.0 | 5 | 03/22/2022 16:50 | WG1836016 |
| (S) <i>o</i> -Terphenyl | 113 | | | 18.0-148 | | 03/22/2022 16:50 | WG1836016 |

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|-----------------------------|-----------------|-----------|--------------|--------------|----------|-------------------------|---------------------------|
| Anthracene | U | | 0.00230 | 0.00600 | 1 | 03/23/2022 14:43 | WG1835810 |
| Acenaphthene | U | | 0.00209 | 0.00600 | 1 | 03/23/2022 14:43 | WG1835810 |
| Acenaphthylene | U | | 0.00216 | 0.00600 | 1 | 03/23/2022 14:43 | WG1835810 |
| Benzo(a)anthracene | U | | 0.00173 | 0.00600 | 1 | 03/23/2022 14:43 | WG1835810 |
| Benzo(a)pyrene | U | | 0.00179 | 0.00600 | 1 | 03/23/2022 14:43 | WG1835810 |
| Benzo(b)fluoranthene | U | | 0.00153 | 0.00600 | 1 | 03/23/2022 14:43 | WG1835810 |
| Benzo(g,h,i)perylene | U | | 0.00177 | 0.00600 | 1 | 03/23/2022 14:43 | WG1835810 |
| Benzo(k)fluoranthene | U | | 0.00215 | 0.00600 | 1 | 03/23/2022 14:43 | WG1835810 |
| Chrysene | U | | 0.00232 | 0.00600 | 1 | 03/23/2022 14:43 | WG1835810 |
| Dibenz(a,h)anthracene | U | | 0.00172 | 0.00600 | 1 | 03/23/2022 14:43 | WG1835810 |
| Fluoranthene | U | | 0.00227 | 0.00600 | 1 | 03/23/2022 14:43 | WG1835810 |
| Fluorene | U | | 0.00205 | 0.00600 | 1 | 03/23/2022 14:43 | WG1835810 |
| Indeno(1,2,3-cd)pyrene | U | | 0.00181 | 0.00600 | 1 | 03/23/2022 14:43 | WG1835810 |
| Naphthalene | 0.00599 | J | 0.00408 | 0.0200 | 1 | 03/23/2022 14:43 | WG1835810 |
| Phenanthrene | U | | 0.00231 | 0.00600 | 1 | 03/23/2022 14:43 | WG1835810 |
| Pyrene | U | | 0.00200 | 0.00600 | 1 | 03/23/2022 14:43 | WG1835810 |
| 1-Methylnaphthalene | U | | 0.00449 | 0.0200 | 1 | 03/23/2022 14:43 | WG1835810 |
| 2-Methylnaphthalene | 0.00778 | J | 0.00427 | 0.0200 | 1 | 03/23/2022 14:43 | WG1835810 |
| 2-Chloronaphthalene | U | | 0.00466 | 0.0200 | 1 | 03/23/2022 14:43 | WG1835810 |
| (S) <i>p</i> -Terphenyl-d14 | 61.1 | | | 23.0-120 | | 03/23/2022 14:43 | WG1835810 |
| (S) Nitrobenzene-d5 | 64.5 | | | 14.0-149 | | 03/23/2022 14:43 | WG1835810 |
| (S) 2-Fluorobiphenyl | 58.8 | | | 34.0-125 | | 03/23/2022 14:43 | WG1835810 |

Calculated Results

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 0.943 | | 1 | 03/22/2022 23:31 | WG1835064 |

Wet Chemistry by Method 7199

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Hexavalent Chromium | U | | 0.255 | 1.00 | 1 | 03/22/2022 18:07 | WG1835990 |

Wet Chemistry by Method 9045D

| Analyte | Result su | Qualifier | Dilution | Analysis date / time | Batch |
|---------|-----------|--------------------|----------|----------------------|---------------------------|
| pH | 8.54 | T8 | 1 | 03/19/2022 11:00 | WG1834766 |

Sample Narrative:

L1472337-02 WG1834766: 8.54 at 19.9C

Wet Chemistry by Method 9050AMod

| Analyte | Result umhos/cm | Qualifier | RDL umhos/cm | Dilution | Analysis date / time | Batch |
|----------------------|-----------------|-----------|--------------|----------|----------------------|---------------------------|
| Specific Conductance | 423 | | 10.0 | 1 | 03/20/2022 08:17 | WG1835299 |

Sample Narrative:

L1472337-02 WG1835299: at 25C

Metals (ICP) by Method 6010B

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------|-------------------|-----------|-----------|----------|----------------------|---------------------------|
| Barium | 316 | | 0.0852 | 0.500 | 1 | 03/22/2022 11:02 | WG1834218 |
| Cadmium | 0.372 | J | 0.0471 | 0.500 | 1 | 03/22/2022 11:02 | WG1834218 |
| Copper | 25.5 | | 0.400 | 2.00 | 1 | 03/22/2022 11:02 | WG1834218 |
| Lead | 13.1 | | 0.208 | 0.500 | 1 | 03/22/2022 11:02 | WG1834218 |
| Nickel | 22.0 | | 0.132 | 2.00 | 1 | 03/22/2022 11:02 | WG1834218 |
| Selenium | 1.88 | J | 0.764 | 2.00 | 1 | 03/22/2022 11:02 | WG1834218 |
| Silver | U | | 0.127 | 1.00 | 1 | 03/22/2022 11:02 | WG1834218 |
| Zinc | 52.1 | | 0.832 | 5.00 | 1 | 03/22/2022 11:02 | WG1834218 |

Metals (ICP) by Method 6010B-NE493 Ch 2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|----------------------|-------------|-----------|----------|----------|----------|----------------------|---------------------------|
| Hot Water Sol. Boron | 0.568 | | 0.0167 | 0.200 | 1 | 03/23/2022 00:31 | WG1835069 |

Metals (ICPMS) by Method 6020

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Arsenic | 26.2 | | 0.100 | 1.00 | 5 | 03/21/2022 21:35 | WG1834220 |

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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|------------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.241 | | 0.0217 | 0.100 | 1 | 03/19/2022 02:29 | WG1834439 |
| (S) a,a,a-Trifluorotoluene(FID) | 105 | | | 77.0-120 | | 03/19/2022 02:29 | WG1834439 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|-----------------|-----------|--------------|--------------|----------|-------------------------|---------------------------|
| Benzene | U | | 0.000467 | 0.00100 | 1 | 03/20/2022 17:33 | WG1835107 |
| Toluene | 0.00193 | J | 0.00130 | 0.00500 | 1 | 03/20/2022 17:33 | WG1835107 |
| Ethylbenzene | U | | 0.000737 | 0.00250 | 1 | 03/20/2022 17:33 | WG1835107 |
| Xylenes, Total | 0.00338 | J | 0.000880 | 0.00650 | 1 | 03/20/2022 17:33 | WG1835107 |
| Naphthalene | U | | 0.00488 | 0.0125 | 1 | 03/20/2022 17:33 | WG1835107 |
| 1,2,4-Trimethylbenzene | U | | 0.00158 | 0.00500 | 1 | 03/20/2022 17:33 | WG1835107 |
| 1,3,5-Trimethylbenzene | U | | 0.00200 | 0.00500 | 1 | 03/20/2022 17:33 | WG1835107 |
| (S) Toluene-d8 | 95.8 | | | 75.0-131 | | 03/20/2022 17:33 | WG1835107 |
| (S) 4-Bromofluorobenzene | 93.9 | | | 67.0-138 | | 03/20/2022 17:33 | WG1835107 |
| (S) 1,2-Dichloroethane-d4 | 104 | | | 70.0-130 | | 03/20/2022 17:33 | WG1835107 |

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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|-------------------------|-----------------|-----------|--------------|--------------|----------|-------------------------|---------------------------|
| C10-C28 Diesel Range | 42.0 | B J5 | 8.05 | 20.0 | 5 | 03/22/2022 17:17 | WG1836016 |
| C28-C36 Motor Oil Range | 189 | | 1.37 | 20.0 | 5 | 03/22/2022 17:17 | WG1836016 |
| (S) o-Terphenyl | 86.7 | | | 18.0-148 | | 03/22/2022 17:17 | WG1836016 |

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------|-----------|--------------|--------------|----------|-------------------------|---------------------------|
| Anthracene | U | | 0.00230 | 0.00600 | 1 | 03/23/2022 15:03 | WG1835810 |
| Acenaphthene | U | | 0.00209 | 0.00600 | 1 | 03/23/2022 15:03 | WG1835810 |
| Acenaphthylene | U | | 0.00216 | 0.00600 | 1 | 03/23/2022 15:03 | WG1835810 |
| Benzo(a)anthracene | U | | 0.00173 | 0.00600 | 1 | 03/23/2022 15:03 | WG1835810 |
| Benzo(a)pyrene | U | | 0.00179 | 0.00600 | 1 | 03/23/2022 15:03 | WG1835810 |
| Benzo(b)fluoranthene | U | | 0.00153 | 0.00600 | 1 | 03/23/2022 15:03 | WG1835810 |
| Benzo(g,h,i)perylene | U | | 0.00177 | 0.00600 | 1 | 03/23/2022 15:03 | WG1835810 |
| Benzo(k)fluoranthene | U | | 0.00215 | 0.00600 | 1 | 03/23/2022 15:03 | WG1835810 |
| Chrysene | U | | 0.00232 | 0.00600 | 1 | 03/23/2022 15:03 | WG1835810 |
| Dibenz(a,h)anthracene | U | | 0.00172 | 0.00600 | 1 | 03/23/2022 15:03 | WG1835810 |
| Fluoranthene | U | | 0.00227 | 0.00600 | 1 | 03/23/2022 15:03 | WG1835810 |
| Fluorene | U | | 0.00205 | 0.00600 | 1 | 03/23/2022 15:03 | WG1835810 |
| Indeno(1,2,3-cd)pyrene | U | | 0.00181 | 0.00600 | 1 | 03/23/2022 15:03 | WG1835810 |
| Naphthalene | U | | 0.00408 | 0.0200 | 1 | 03/23/2022 15:03 | WG1835810 |
| Phenanthrene | U | | 0.00231 | 0.00600 | 1 | 03/23/2022 15:03 | WG1835810 |
| Pyrene | U | | 0.00200 | 0.00600 | 1 | 03/23/2022 15:03 | WG1835810 |
| 1-Methylnaphthalene | U | | 0.00449 | 0.0200 | 1 | 03/23/2022 15:03 | WG1835810 |
| 2-Methylnaphthalene | U | | 0.00427 | 0.0200 | 1 | 03/23/2022 15:03 | WG1835810 |
| 2-Chloronaphthalene | U | | 0.00466 | 0.0200 | 1 | 03/23/2022 15:03 | WG1835810 |
| (S) p-Terphenyl-d14 | 75.9 | | | 23.0-120 | | 03/23/2022 15:03 | WG1835810 |
| (S) Nitrobenzene-d5 | 72.2 | | | 14.0-149 | | 03/23/2022 15:03 | WG1835810 |
| (S) 2-Fluorobiphenyl | 73.2 | | | 34.0-125 | | 03/23/2022 15:03 | WG1835810 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 3.21 | | 1 | 03/22/2022 23:34 | WG1835064 |

Wet Chemistry by Method 7199

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Hexavalent Chromium | U | | 0.255 | 1.00 | 1 | 03/22/2022 18:12 | WG1835990 |

Wet Chemistry by Method 9045D

| Analyte | Result su | Qualifier | Dilution | Analysis date / time | Batch |
|---------|-----------|--------------------|----------|----------------------|---------------------------|
| pH | 8.50 | T8 | 1 | 03/19/2022 09:00 | WG1834731 |

Sample Narrative:

L1472337-03 WG1834731: 8.5 at 19.8C

Wet Chemistry by Method 9050AMod

| Analyte | Result umhos/cm | Qualifier | RDL umhos/cm | Dilution | Analysis date / time | Batch |
|----------------------|-----------------|-----------|--------------|----------|----------------------|---------------------------|
| Specific Conductance | 546 | | 10.0 | 1 | 03/20/2022 08:17 | WG1835299 |

Sample Narrative:

L1472337-03 WG1835299: at 25C

Metals (ICP) by Method 6010B

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------|-------------------|-----------|-----------|----------|----------------------|---------------------------|
| Barium | 263 | | 0.0852 | 0.500 | 1 | 03/22/2022 11:11 | WG1834218 |
| Cadmium | 0.396 | J | 0.0471 | 0.500 | 1 | 03/22/2022 11:11 | WG1834218 |
| Copper | 20.7 | | 0.400 | 2.00 | 1 | 03/22/2022 11:11 | WG1834218 |
| Lead | 13.4 | | 0.208 | 0.500 | 1 | 03/22/2022 11:11 | WG1834218 |
| Nickel | 13.3 | | 0.132 | 2.00 | 1 | 03/22/2022 11:11 | WG1834218 |
| Selenium | 1.64 | J | 0.764 | 2.00 | 1 | 03/22/2022 11:11 | WG1834218 |
| Silver | U | | 0.127 | 1.00 | 1 | 03/22/2022 11:11 | WG1834218 |
| Zinc | 44.2 | | 0.832 | 5.00 | 1 | 03/22/2022 11:11 | WG1834218 |

Metals (ICP) by Method 6010B-NE493 Ch 2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|----------------------|-------------|-----------|----------|----------|----------|----------------------|---------------------------|
| Hot Water Sol. Boron | 0.419 | | 0.0167 | 0.200 | 1 | 03/23/2022 00:34 | WG1835069 |

Metals (ICPMS) by Method 6020

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Arsenic | 17.9 | | 0.100 | 1.00 | 5 | 03/21/2022 21:51 | WG1834220 |

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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|--|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.581 | | 0.0217 | 0.100 | 1 | 03/19/2022 02:50 | WG1834439 |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 104 | | | 77.0-120 | | 03/19/2022 02:50 | WG1834439 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|-----------------|-----------|--------------|--------------|----------|-------------------------|---------------------------|
| Benzene | 0.00148 | | 0.000467 | 0.00100 | 1 | 03/20/2022 17:55 | WG1835107 |
| Toluene | 0.0261 | | 0.00130 | 0.00500 | 1 | 03/20/2022 17:55 | WG1835107 |
| Ethylbenzene | 0.00547 | | 0.000737 | 0.00250 | 1 | 03/20/2022 17:55 | WG1835107 |
| Xylenes, Total | 0.251 | | 0.000880 | 0.00650 | 1 | 03/20/2022 17:55 | WG1835107 |
| Naphthalene | U | | 0.00488 | 0.0125 | 1 | 03/20/2022 17:55 | WG1835107 |
| 1,2,4-Trimethylbenzene | 0.0469 | | 0.00158 | 0.00500 | 1 | 03/20/2022 17:55 | WG1835107 |
| 1,3,5-Trimethylbenzene | 0.106 | | 0.00200 | 0.00500 | 1 | 03/20/2022 17:55 | WG1835107 |
| (S) Toluene-d8 | 97.2 | | | 75.0-131 | | 03/20/2022 17:55 | WG1835107 |
| (S) 4-Bromofluorobenzene | 97.6 | | | 67.0-138 | | 03/20/2022 17:55 | WG1835107 |
| (S) 1,2-Dichloroethane-d4 | 102 | | | 70.0-130 | | 03/20/2022 17:55 | WG1835107 |

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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|-------------------------|-----------------|-------------------|--------------|--------------|----------|-------------------------|---------------------------|
| C10-C28 Diesel Range | 91.0 | B | 16.1 | 40.0 | 10 | 03/22/2022 18:12 | WG1836016 |
| C28-C36 Motor Oil Range | 369 | | 2.74 | 40.0 | 10 | 03/22/2022 18:12 | WG1836016 |
| (S) o-Terphenyl | 103 | | | 18.0-148 | | 03/22/2022 18:12 | WG1836016 |

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------|-----------|--------------|--------------|----------|-------------------------|---------------------------|
| Anthracene | U | | 0.00230 | 0.00600 | 1 | 03/23/2022 13:05 | WG1835810 |
| Acenaphthene | U | | 0.00209 | 0.00600 | 1 | 03/23/2022 13:05 | WG1835810 |
| Acenaphthylene | U | | 0.00216 | 0.00600 | 1 | 03/23/2022 13:05 | WG1835810 |
| Benzo(a)anthracene | U | | 0.00173 | 0.00600 | 1 | 03/23/2022 13:05 | WG1835810 |
| Benzo(a)pyrene | U | | 0.00179 | 0.00600 | 1 | 03/23/2022 13:05 | WG1835810 |
| Benzo(b)fluoranthene | U | | 0.00153 | 0.00600 | 1 | 03/23/2022 13:05 | WG1835810 |
| Benzo(g,h,i)perylene | U | | 0.00177 | 0.00600 | 1 | 03/23/2022 13:05 | WG1835810 |
| Benzo(k)fluoranthene | U | | 0.00215 | 0.00600 | 1 | 03/23/2022 13:05 | WG1835810 |
| Chrysene | U | | 0.00232 | 0.00600 | 1 | 03/23/2022 13:05 | WG1835810 |
| Dibenz(a,h)anthracene | U | | 0.00172 | 0.00600 | 1 | 03/23/2022 13:05 | WG1835810 |
| Fluoranthene | U | | 0.00227 | 0.00600 | 1 | 03/23/2022 13:05 | WG1835810 |
| Fluorene | U | | 0.00205 | 0.00600 | 1 | 03/23/2022 13:05 | WG1835810 |
| Indeno(1,2,3-cd)pyrene | U | | 0.00181 | 0.00600 | 1 | 03/23/2022 13:05 | WG1835810 |
| Naphthalene | U | | 0.00408 | 0.0200 | 1 | 03/23/2022 13:05 | WG1835810 |
| Phenanthrene | U | | 0.00231 | 0.00600 | 1 | 03/23/2022 13:05 | WG1835810 |
| Pyrene | U | | 0.00200 | 0.00600 | 1 | 03/23/2022 13:05 | WG1835810 |
| 1-Methylnaphthalene | U | | 0.00449 | 0.0200 | 1 | 03/23/2022 13:05 | WG1835810 |
| 2-Methylnaphthalene | U | | 0.00427 | 0.0200 | 1 | 03/23/2022 13:05 | WG1835810 |
| 2-Chloronaphthalene | U | | 0.00466 | 0.0200 | 1 | 03/23/2022 13:05 | WG1835810 |
| (S) p-Terphenyl-d14 | 78.5 | | | 23.0-120 | | 03/23/2022 13:05 | WG1835810 |
| (S) Nitrobenzene-d5 | 68.1 | | | 14.0-149 | | 03/23/2022 13:05 | WG1835810 |
| (S) 2-Fluorobiphenyl | 75.2 | | | 34.0-125 | | 03/23/2022 13:05 | WG1835810 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 0.760 | | 1 | 03/22/2022 23:37 | WG1835064 |

Wet Chemistry by Method 7199

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Hexavalent Chromium | U | | 0.255 | 1.00 | 1 | 03/22/2022 18:17 | WG1835990 |

Wet Chemistry by Method 9045D

| Analyte | Result su | Qualifier | Dilution | Analysis date / time | Batch |
|---------|-----------|--------------------|----------|----------------------|---------------------------|
| pH | 8.77 | T8 | 1 | 03/19/2022 09:00 | WG1834731 |

Sample Narrative:

L1472337-04 WG1834731: 8.77 at 19.7C

Wet Chemistry by Method 9050AMod

| Analyte | Result umhos/cm | Qualifier | RDL umhos/cm | Dilution | Analysis date / time | Batch |
|----------------------|-----------------|-----------|--------------|----------|----------------------|---------------------------|
| Specific Conductance | 337 | | 10.0 | 1 | 03/20/2022 08:17 | WG1835299 |

Sample Narrative:

L1472337-04 WG1835299: at 25C

Metals (ICP) by Method 6010B

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------|-------------------|-----------|-----------|----------|----------------------|---------------------------|
| Barium | 236 | | 0.0852 | 0.500 | 1 | 03/22/2022 11:14 | WG1834218 |
| Cadmium | 0.357 | J | 0.0471 | 0.500 | 1 | 03/22/2022 11:14 | WG1834218 |
| Copper | 18.6 | | 0.400 | 2.00 | 1 | 03/22/2022 11:14 | WG1834218 |
| Lead | 13.4 | | 0.208 | 0.500 | 1 | 03/22/2022 11:14 | WG1834218 |
| Nickel | 12.8 | | 0.132 | 2.00 | 1 | 03/22/2022 11:14 | WG1834218 |
| Selenium | 1.41 | J | 0.764 | 2.00 | 1 | 03/22/2022 11:14 | WG1834218 |
| Silver | U | | 0.127 | 1.00 | 1 | 03/22/2022 11:14 | WG1834218 |
| Zinc | 44.1 | | 0.832 | 5.00 | 1 | 03/22/2022 11:14 | WG1834218 |

Metals (ICP) by Method 6010B-NE493 Ch 2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|----------------------|-------------|-----------|----------|----------|----------|----------------------|---------------------------|
| Hot Water Sol. Boron | 0.405 | | 0.0167 | 0.200 | 1 | 03/23/2022 00:37 | WG1835069 |

Metals (ICPMS) by Method 6020

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Arsenic | 18.6 | | 0.100 | 1.00 | 5 | 03/21/2022 21:55 | WG1834220 |

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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|--|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.386 | | 0.0217 | 0.100 | 1 | 03/19/2022 03:12 | WG1834439 |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 105 | | | 77.0-120 | | 03/19/2022 03:12 | WG1834439 |



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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|-----------------|-----------|--------------|--------------|----------|-------------------------|-----------|
| Benzene | 0.000525 | U | 0.000467 | 0.00100 | 1 | 03/20/2022 18:16 | WG1835107 |
| Toluene | 0.00655 | | 0.00130 | 0.00500 | 1 | 03/20/2022 18:16 | WG1835107 |
| Ethylbenzene | 0.00232 | U | 0.000737 | 0.00250 | 1 | 03/20/2022 18:16 | WG1835107 |
| Xylenes, Total | 0.0664 | | 0.000880 | 0.00650 | 1 | 03/20/2022 18:16 | WG1835107 |
| Naphthalene | U | | 0.00488 | 0.0125 | 1 | 03/20/2022 18:16 | WG1835107 |
| 1,2,4-Trimethylbenzene | 0.0137 | | 0.00158 | 0.00500 | 1 | 03/20/2022 18:16 | WG1835107 |
| 1,3,5-Trimethylbenzene | 0.0368 | | 0.00200 | 0.00500 | 1 | 03/20/2022 18:16 | WG1835107 |
| (S) Toluene-d8 | 97.0 | | | 75.0-131 | | 03/20/2022 18:16 | WG1835107 |
| (S) 4-Bromofluorobenzene | 97.7 | | | 67.0-138 | | 03/20/2022 18:16 | WG1835107 |
| (S) 1,2-Dichloroethane-d4 | 98.3 | | | 70.0-130 | | 03/20/2022 18:16 | WG1835107 |

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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|-------------------------|-----------------|-----------|--------------|--------------|----------|-------------------------|-----------|
| C10-C28 Diesel Range | 47.5 | | 1.61 | 4.00 | 1 | 03/22/2022 16:09 | WG1836016 |
| C28-C36 Motor Oil Range | 214 | | 1.37 | 20.0 | 5 | 03/23/2022 01:35 | WG1836016 |
| (S) o-Terphenyl | 92.7 | | | 18.0-148 | | 03/23/2022 01:35 | WG1836016 |
| (S) o-Terphenyl | 71.7 | | | 18.0-148 | | 03/22/2022 16:09 | WG1836016 |

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------|-----------|--------------|--------------|----------|-------------------------|-----------|
| Anthracene | U | | 0.00230 | 0.00600 | 1 | 03/23/2022 15:42 | WG1835810 |
| Acenaphthene | U | | 0.00209 | 0.00600 | 1 | 03/23/2022 15:42 | WG1835810 |
| Acenaphthylene | U | | 0.00216 | 0.00600 | 1 | 03/23/2022 15:42 | WG1835810 |
| Benzo(a)anthracene | U | | 0.00173 | 0.00600 | 1 | 03/23/2022 15:42 | WG1835810 |
| Benzo(a)pyrene | U | | 0.00179 | 0.00600 | 1 | 03/23/2022 15:42 | WG1835810 |
| Benzo(b)fluoranthene | U | | 0.00153 | 0.00600 | 1 | 03/23/2022 15:42 | WG1835810 |
| Benzo(g,h,i)perylene | U | | 0.00177 | 0.00600 | 1 | 03/23/2022 15:42 | WG1835810 |
| Benzo(k)fluoranthene | U | | 0.00215 | 0.00600 | 1 | 03/23/2022 15:42 | WG1835810 |
| Chrysene | U | | 0.00232 | 0.00600 | 1 | 03/23/2022 15:42 | WG1835810 |
| Dibenz(a,h)anthracene | U | | 0.00172 | 0.00600 | 1 | 03/23/2022 15:42 | WG1835810 |
| Fluoranthene | U | | 0.00227 | 0.00600 | 1 | 03/23/2022 15:42 | WG1835810 |
| Fluorene | U | | 0.00205 | 0.00600 | 1 | 03/23/2022 15:42 | WG1835810 |
| Indeno(1,2,3-cd)pyrene | U | | 0.00181 | 0.00600 | 1 | 03/23/2022 15:42 | WG1835810 |
| Naphthalene | 0.00679 | U | 0.00408 | 0.0200 | 1 | 03/23/2022 15:42 | WG1835810 |
| Phenanthrene | U | | 0.00231 | 0.00600 | 1 | 03/23/2022 15:42 | WG1835810 |
| Pyrene | U | | 0.00200 | 0.00600 | 1 | 03/23/2022 15:42 | WG1835810 |
| 1-Methylnaphthalene | U | | 0.00449 | 0.0200 | 1 | 03/23/2022 15:42 | WG1835810 |
| 2-Methylnaphthalene | 0.0121 | U | 0.00427 | 0.0200 | 1 | 03/23/2022 15:42 | WG1835810 |
| 2-Chloronaphthalene | U | | 0.00466 | 0.0200 | 1 | 03/23/2022 15:42 | WG1835810 |
| (S) p-Terphenyl-d14 | 77.2 | | | 23.0-120 | | 03/23/2022 15:42 | WG1835810 |
| (S) Nitrobenzene-d5 | 76.3 | | | 14.0-149 | | 03/23/2022 15:42 | WG1835810 |
| (S) 2-Fluorobiphenyl | 74.7 | | | 34.0-125 | | 03/23/2022 15:42 | WG1835810 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 1.04 | | 1 | 03/22/2022 23:40 | WG1835064 |

Wet Chemistry by Method 7199

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Hexavalent Chromium | U | | 0.255 | 1.00 | 1 | 03/22/2022 18:23 | WG1835990 |

Wet Chemistry by Method 9045D

| Analyte | Result su | Qualifier | Dilution | Analysis date / time | Batch |
|---------|-----------|--------------------|----------|----------------------|---------------------------|
| pH | 8.88 | T8 | 1 | 03/19/2022 14:00 | WG1834785 |

Sample Narrative:

L1472337-05 WG1834785: 8.88 at 20C

Wet Chemistry by Method 9050AMod

| Analyte | Result umhos/cm | Qualifier | RDL umhos/cm | Dilution | Analysis date / time | Batch |
|----------------------|-----------------|-----------|--------------|----------|----------------------|---------------------------|
| Specific Conductance | 257 | | 10.0 | 1 | 03/20/2022 08:17 | WG1835299 |

Sample Narrative:

L1472337-05 WG1835299: at 25C

Metals (ICP) by Method 6010B

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------|-------------------|-----------|-----------|----------|----------------------|---------------------------|
| Barium | 271 | | 0.0852 | 0.500 | 1 | 03/22/2022 11:17 | WG1834218 |
| Cadmium | 0.363 | J | 0.0471 | 0.500 | 1 | 03/22/2022 11:17 | WG1834218 |
| Copper | 26.0 | | 0.400 | 2.00 | 1 | 03/22/2022 11:17 | WG1834218 |
| Lead | 13.1 | | 0.208 | 0.500 | 1 | 03/22/2022 11:17 | WG1834218 |
| Nickel | 16.3 | | 0.132 | 2.00 | 1 | 03/22/2022 11:17 | WG1834218 |
| Selenium | U | | 0.764 | 2.00 | 1 | 03/22/2022 11:17 | WG1834218 |
| Silver | U | | 0.127 | 1.00 | 1 | 03/22/2022 11:17 | WG1834218 |
| Zinc | 48.4 | | 0.832 | 5.00 | 1 | 03/22/2022 11:17 | WG1834218 |

Metals (ICP) by Method 6010B-NE493 Ch 2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|----------------------|-------------|-----------|----------|----------|----------|----------------------|---------------------------|
| Hot Water Sol. Boron | 0.635 | | 0.0167 | 0.200 | 1 | 03/23/2022 00:40 | WG1835069 |

Metals (ICPMS) by Method 6020

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Arsenic | 25.6 | | 0.100 | 1.00 | 5 | 03/21/2022 21:59 | WG1834220 |

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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|--|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.364 | | 0.0217 | 0.100 | 1 | 03/19/2022 03:34 | WG1834439 |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 104 | | | 77.0-120 | | 03/19/2022 03:34 | WG1834439 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|-----------------|-----------|--------------|--------------|----------|-------------------------|-----------|
| Benzene | 0.000875 | J | 0.000467 | 0.00100 | 1 | 03/20/2022 18:37 | WG1835107 |
| Toluene | 0.0212 | | 0.00130 | 0.00500 | 1 | 03/20/2022 18:37 | WG1835107 |
| Ethylbenzene | 0.00270 | | 0.000737 | 0.00250 | 1 | 03/20/2022 18:37 | WG1835107 |
| Xylenes, Total | 0.0493 | | 0.000880 | 0.00650 | 1 | 03/20/2022 18:37 | WG1835107 |
| Naphthalene | U | | 0.00488 | 0.0125 | 1 | 03/20/2022 18:37 | WG1835107 |
| 1,2,4-Trimethylbenzene | 0.00537 | | 0.00158 | 0.00500 | 1 | 03/20/2022 18:37 | WG1835107 |
| 1,3,5-Trimethylbenzene | 0.00788 | | 0.00200 | 0.00500 | 1 | 03/20/2022 18:37 | WG1835107 |
| (S) Toluene-d8 | 96.8 | | | 75.0-131 | | 03/20/2022 18:37 | WG1835107 |
| (S) 4-Bromofluorobenzene | 97.8 | | | 67.0-138 | | 03/20/2022 18:37 | WG1835107 |
| (S) 1,2-Dichloroethane-d4 | 104 | | | 70.0-130 | | 03/20/2022 18:37 | WG1835107 |

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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|-------------------------|-----------------|-----------|--------------|--------------|----------|-------------------------|-----------|
| C10-C28 Diesel Range | 71.0 | | 1.61 | 4.00 | 1 | 03/22/2022 16:22 | WG1836016 |
| C28-C36 Motor Oil Range | 346 | | 1.37 | 20.0 | 5 | 03/23/2022 02:02 | WG1836016 |
| (S) o-Terphenyl | 69.7 | | | 18.0-148 | | 03/22/2022 16:22 | WG1836016 |
| (S) o-Terphenyl | 81.2 | | | 18.0-148 | | 03/23/2022 02:02 | WG1836016 |

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------|-----------|--------------|--------------|----------|-------------------------|-----------|
| Anthracene | U | | 0.00230 | 0.00600 | 1 | 03/23/2022 15:23 | WG1835810 |
| Acenaphthene | U | | 0.00209 | 0.00600 | 1 | 03/23/2022 15:23 | WG1835810 |
| Acenaphthylene | U | | 0.00216 | 0.00600 | 1 | 03/23/2022 15:23 | WG1835810 |
| Benzo(a)anthracene | U | | 0.00173 | 0.00600 | 1 | 03/23/2022 15:23 | WG1835810 |
| Benzo(a)pyrene | U | | 0.00179 | 0.00600 | 1 | 03/23/2022 15:23 | WG1835810 |
| Benzo(b)fluoranthene | U | | 0.00153 | 0.00600 | 1 | 03/23/2022 15:23 | WG1835810 |
| Benzo(g,h,i)perylene | U | | 0.00177 | 0.00600 | 1 | 03/23/2022 15:23 | WG1835810 |
| Benzo(k)fluoranthene | U | | 0.00215 | 0.00600 | 1 | 03/23/2022 15:23 | WG1835810 |
| Chrysene | U | | 0.00232 | 0.00600 | 1 | 03/23/2022 15:23 | WG1835810 |
| Dibenz(a,h)anthracene | U | | 0.00172 | 0.00600 | 1 | 03/23/2022 15:23 | WG1835810 |
| Fluoranthene | U | | 0.00227 | 0.00600 | 1 | 03/23/2022 15:23 | WG1835810 |
| Fluorene | U | | 0.00205 | 0.00600 | 1 | 03/23/2022 15:23 | WG1835810 |
| Indeno(1,2,3-cd)pyrene | U | | 0.00181 | 0.00600 | 1 | 03/23/2022 15:23 | WG1835810 |
| Naphthalene | U | | 0.00408 | 0.0200 | 1 | 03/23/2022 15:23 | WG1835810 |
| Phenanthrene | U | | 0.00231 | 0.00600 | 1 | 03/23/2022 15:23 | WG1835810 |
| Pyrene | U | | 0.00200 | 0.00600 | 1 | 03/23/2022 15:23 | WG1835810 |
| 1-Methylnaphthalene | U | | 0.00449 | 0.0200 | 1 | 03/23/2022 15:23 | WG1835810 |
| 2-Methylnaphthalene | U | | 0.00427 | 0.0200 | 1 | 03/23/2022 15:23 | WG1835810 |
| 2-Chloronaphthalene | U | | 0.00466 | 0.0200 | 1 | 03/23/2022 15:23 | WG1835810 |
| (S) p-Terphenyl-d14 | 78.5 | | | 23.0-120 | | 03/23/2022 15:23 | WG1835810 |
| (S) Nitrobenzene-d5 | 71.9 | | | 14.0-149 | | 03/23/2022 15:23 | WG1835810 |
| (S) 2-Fluorobiphenyl | 72.6 | | | 34.0-125 | | 03/23/2022 15:23 | WG1835810 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3772989-1 03/22/22 16:52

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------------------|--------------------|--------------|-----------------|-----------------|
| Hexavalent Chromium | U | | 0.255 | 1.00 |

L1472457-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1472457-02 03/22/22 18:33 • (DUP) R3772989-7 03/22/22 18:38

| Analyte | Original Result mg/kg | DUP Result mg/kg | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---------------------|--------------------------|---------------------|----------|--------------|---------------|------------------------|
| Hexavalent Chromium | U | U | 1 | 0.000 | | 20 |

L1472464-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1472464-04 03/22/22 19:20 • (DUP) R3772989-8 03/22/22 19:25

| Analyte | Original Result mg/kg | DUP Result mg/kg | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---------------------|--------------------------|---------------------|----------|--------------|---------------|------------------------|
| Hexavalent Chromium | U | U | 1 | 0.000 | | 20 |

Laboratory Control Sample (LCS)

(LCS) R3772989-2 03/22/22 17:00

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Hexavalent Chromium | 10.0 | 9.89 | 98.9 | 80.0-120 | |

L1472337-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1472337-01 03/22/22 17:31 • (MS) R3772989-3 03/22/22 17:36 • (MSD) R3772989-4 03/22/22 17:41

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Hexavalent Chromium | 20.0 | U | 0.704 | 0.899 | 3.52 | 4.50 | 1 | 75.0-125 | J6 | J3 J6 | 24.4 | 20 |

Sample Narrative:

OS: Sample is a reducer.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1472337-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1472337-01 03/22/22 17:31 • (MS) R3772989-5 03/22/22 17:57

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MS Rec. % | Dilution | Rec. Limits % | <u>MS Qualifier</u> |
|---------------------|-----------------------|--------------------------|--------------------|--------------|----------|------------------|---------------------|
| Hexavalent Chromium | 661 | U | 173 | 26.1 | 50 | 75.0-125 | <u>J6</u> |

Sample Narrative:

OS: Sample is a reducer.

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1471150-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1471150-02 03/19/22 09:00 • (DUP) R3771628-2 03/19/22 09:00

| | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | su | su | | % | | % |
| pH | 8.69 | 8.68 | 1 | 0.115 | | 1 |

Sample Narrative:
OS: 8.69 at 19.8C
DUP: 8.68 at 19.9C

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1472467-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1472467-05 03/19/22 09:00 • (DUP) R3771628-3 03/19/22 09:00

| | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | pH | su | | % | | % |
| pH | 8.67 | 8.66 | 1 | 0.115 | | 1 |

Sample Narrative:
OS: 8.67 at 19.9C
DUP: 8.66 at 19.9C

Laboratory Control Sample (LCS)

(LCS) R3771628-1 03/19/22 09:00

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------|--------------|------------|----------|-------------|---------------|
| Analyte | su | su | % | % | |
| pH | 10.0 | 9.94 | 99.4 | 99.0-101 | |

Sample Narrative:
LCS: 9.94 at 19C

L1472136-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1472136-06 03/19/22 11:00 • (DUP) R3771653-2 03/19/22 11:00

| | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | su | su | | % | | % |
| pH | 5.59 | 5.55 | 1 | 0.718 | | 1 |

Sample Narrative:

OS: 5.59 at 20.1C

DUP: 5.55 at 20.3C



L1472631-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1472631-01 03/19/22 11:00 • (DUP) R3771653-3 03/19/22 11:00

| | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | su | su | | % | | % |
| pH | 4.25 | 4.28 | 1 | 0.703 | | 1 |

Sample Narrative:

OS: 4.25 at 19.9C

DUP: 4.28 at 19.8C

Laboratory Control Sample (LCS)

(LCS) R3771653-1 03/19/22 11:00

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------|--------------|------------|----------|-------------|---------------|
| Analyte | su | su | % | % | |
| pH | 10.0 | 9.93 | 99.3 | 99.0-101 | |

Sample Narrative:

LCS: 9.93 at 19C

L1471182-48 Original Sample (OS) • Duplicate (DUP)

(OS) L1471182-48 03/19/22 14:00 • (DUP) R3771680-2 03/19/22 14:00

| | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte | su | su | | % | | % |
| pH | 7.79 | 7.81 | 1 | 0.256 | | 1 |

Sample Narrative:

OS: 7.79 at 20.3C

DUP: 7.81 at 20.3C



L1472785-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1472785-01 03/19/22 14:00 • (DUP) R3771680-4 03/19/22 14:00

| | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte | su | su | | % | | % |
| pH | 6.80 | 6.80 | 1 | 0.000 | | 1 |

Sample Narrative:

OS: 6.8 at 20.2C

DUP: 6.8 at 20.2C

Laboratory Control Sample (LCS)

(LCS) R3771680-1 03/19/22 14:00

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | <u>LCS Qualifier</u> |
|---------|--------------|------------|----------|-------------|----------------------|
| Analyte | su | su | % | % | |
| pH | 10.0 | 9.92 | 99.2 | 99.0-101 | |

Sample Narrative:

LCS: 9.92 at 19C

Method Blank (MB)

(MB) R3771735-1 03/20/22 08:17

| 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

L1472337-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1472337-01 03/20/22 08:17 • (DUP) R3771735-3 03/20/22 08:17

| Analyte | Original Result umhos/cm | DUP Result umhos/cm | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------------------|-----------------------------|------------------------|----------|--------------|---------------|------------------------|
| Specific Conductance | 334 | 337 | 1 | 0.894 | | 20 |

Sample Narrative:

OS: at 25C

DUP: at 25C

L1472457-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1472457-04 03/20/22 08:17 • (DUP) R3771735-4 03/20/22 08:17

| Analyte | Original Result umhos/cm | DUP Result umhos/cm | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------------------|-----------------------------|------------------------|----------|--------------|---------------|------------------------|
| Specific Conductance | 516 | 533 | 1 | 3.24 | | 20 |

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R3771735-2 03/20/22 08:17

| Analyte | Spike Amount umhos/cm | LCS Result umhos/cm | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------|--------------------------|------------------------|---------------|------------------|---------------|
| Specific Conductance | 268 | 266 | 99.1 | 85.0-115 | |

Sample Narrative:

LCS: at 25C

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3772552-1 03/22/22 10:32

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|----------|--------------------|--------------|-----------------|-----------------|
| Barium | U | | 0.0852 | 0.500 |
| Cadmium | U | | 0.0471 | 0.500 |
| Copper | U | | 0.400 | 2.00 |
| Lead | U | | 0.208 | 0.500 |
| Nickel | U | | 0.132 | 2.00 |
| Selenium | U | | 0.764 | 2.00 |
| Silver | U | | 0.127 | 1.00 |
| Zinc | U | | 0.832 | 5.00 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3772552-2 03/22/22 10:39

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------|-----------------------|---------------------|---------------|------------------|---------------|
| Barium | 100 | 90.2 | 90.2 | 80.0-120 | |
| Cadmium | 100 | 85.7 | 85.7 | 80.0-120 | |
| Copper | 100 | 87.7 | 87.7 | 80.0-120 | |
| Lead | 100 | 85.9 | 85.9 | 80.0-120 | |
| Nickel | 100 | 86.8 | 86.8 | 80.0-120 | |
| Selenium | 100 | 86.6 | 86.6 | 80.0-120 | |
| Silver | 20.0 | 17.4 | 87.1 | 80.0-120 | |
| Zinc | 100 | 85.6 | 85.6 | 80.0-120 | |

L1471161-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1471161-01 03/22/22 10:42 • (MS) R3772552-5 03/22/22 10:51 • (MSD) R3772552-6 03/22/22 10:53

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|----------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Barium | 100 | 1650 | 1550 | 1410 | 0.000 | 0.000 | 1 | 75.0-125 | V | V | 8.82 | 20 |
| Cadmium | 100 | 0.127 | 92.5 | 90.2 | 92.4 | 90.1 | 1 | 75.0-125 | | | 2.53 | 20 |
| Copper | 100 | 21.8 | 113 | 109 | 91.4 | 87.2 | 1 | 75.0-125 | | | 3.70 | 20 |
| Lead | 100 | 12.2 | 103 | 98.6 | 90.6 | 86.4 | 1 | 75.0-125 | | | 4.16 | 20 |
| Nickel | 100 | 13.6 | 103 | 102 | 89.5 | 87.9 | 1 | 75.0-125 | | | 1.58 | 20 |
| Selenium | 100 | 1.53 | 94.1 | 91.8 | 92.5 | 90.2 | 1 | 75.0-125 | | | 2.47 | 20 |
| Silver | 20.0 | U | 18.8 | 18.3 | 93.8 | 91.6 | 1 | 75.0-125 | | | 2.37 | 20 |
| Zinc | 100 | 44.4 | 127 | 125 | 82.6 | 80.6 | 1 | 75.0-125 | | | 1.59 | 20 |

Method Blank (MB)

(MB) R3772850-1 03/23/22 00:20

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|----------------------|-------------------|--------------|----------------|----------------|
| Hot Water Sol. Boron | 0.0216 | ⬇ | 0.0167 | 0.200 |

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

(LCS) R3772850-2 03/23/22 00:23 • (LCSD) R3772850-3 03/23/22 00:26

| 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 % |
|----------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Hot Water Sol. Boron | 1.00 | 1.14 | 1.11 | 114 | 111 | 80.0-120 | | | 2.89 | 20 |

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) R3772318-1 03/21/22 21:03

| | MB Result | MB Qualifier | MB MDL | MB RDL |
|---------|-----------|--------------|--------|--------|
| Analyte | mg/kg | | mg/kg | mg/kg |
| Arsenic | U | | 0.100 | 1.00 |

Laboratory Control Sample (LCS)

(LCS) R3772318-2 03/21/22 21:07

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------|--------------|------------|----------|-------------|---------------|
| Analyte | mg/kg | mg/kg | % | % | |
| Arsenic | 100 | 89.2 | 89.2 | 80.0-120 | |

L1471161-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1471161-01 03/21/22 21:10 • (MS) R3772318-5 03/21/22 21:20 • (MSD) R3772318-6 03/21/22 21:24

| | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD | RPD Limits |
|---------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
| Analyte | mg/kg | mg/kg | mg/kg | mg/kg | % | % | | % | | | % | % |
| Arsenic | 100 | 14.2 | 95.4 | 92.2 | 81.3 | 78.0 | 5 | 75.0-125 | | | 3.48 | 20 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3771638-3 03/18/22 18:14

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction | U | | 0.0217 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 110 | | | 77.0-120 |

Laboratory Control Sample (LCS)

(LCS) R3771638-2 03/18/22 17:31

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction | 5.50 | 6.15 | 112 | 72.0-127 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 95.9 | 77.0-120 | |

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R3772964-3 03/20/22 11:09

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene | U | | 0.000467 | 0.00100 |
| Toluene | U | | 0.00130 | 0.00500 |
| Ethylbenzene | U | | 0.000737 | 0.00250 |
| Xylenes, Total | U | | 0.000880 | 0.00650 |
| Naphthalene | U | | 0.00488 | 0.0125 |
| 1,2,4-Trimethylbenzene | U | | 0.00158 | 0.00500 |
| 1,3,5-Trimethylbenzene | U | | 0.00200 | 0.00500 |
| (S) Toluene-d8 | 100 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 94.7 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 96.4 | | | 70.0-130 |

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

(LCS) R3772964-1 03/20/22 09:23 • (LCSD) R3772964-2 03/20/22 09:44

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCSD Result mg/kg | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Benzene | 0.125 | 0.113 | 0.116 | 90.4 | 92.8 | 70.0-123 | | | 2.62 | 20 |
| Toluene | 0.125 | 0.104 | 0.108 | 83.2 | 86.4 | 75.0-121 | | | 3.77 | 20 |
| Ethylbenzene | 0.125 | 0.106 | 0.108 | 84.8 | 86.4 | 74.0-126 | | | 1.87 | 20 |
| Xylenes, Total | 0.375 | 0.341 | 0.345 | 90.9 | 92.0 | 72.0-127 | | | 1.17 | 20 |
| Naphthalene | 0.125 | 0.0847 | 0.0955 | 67.8 | 76.4 | 59.0-130 | | | 12.0 | 20 |
| 1,2,4-Trimethylbenzene | 0.125 | 0.105 | 0.103 | 84.0 | 82.4 | 70.0-126 | | | 1.92 | 20 |
| 1,3,5-Trimethylbenzene | 0.125 | 0.107 | 0.110 | 85.6 | 88.0 | 73.0-127 | | | 2.76 | 20 |
| (S) Toluene-d8 | | | | 94.9 | 96.9 | 75.0-131 | | | | |
| (S) 4-Bromofluorobenzene | | | | 96.3 | 99.7 | 67.0-138 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | 108 | 108 | 70.0-130 | | | | |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3772789-1 03/22/22 12:31

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|-------------------------|--------------------|--------------|-----------------|-----------------|
| C10-C28 Diesel Range | 2.62 | J | 1.61 | 4.00 |
| C28-C36 Motor Oil Range | 2.30 | J | 0.274 | 4.00 |
| (S) o-Terphenyl | 82.3 | | | 18.0-148 |

Laboratory Control Sample (LCS)

(LCS) R3772789-2 03/22/22 12:44

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0 | 45.1 | 90.2 | 50.0-150 | |
| (S) o-Terphenyl | | | 107 | 18.0-148 | |

L1472337-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1472337-02 03/22/22 17:17 • (MS) R3772789-3 03/22/22 17:31 • (MSD) R3772789-4 03/22/22 17:44

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|----------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| C10-C28 Diesel Range | 48.2 | 42.0 | 153 | 128 | 230 | 178 | 5 | 50.0-150 | J5 | J5 | 17.8 | 20 |
| (S) o-Terphenyl | | | | | 144 | 131 | | 18.0-148 | | | | |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3773170-2 03/23/22 09:09

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------|--------------------|--------------|-----------------|-----------------|
| Anthracene | U | | 0.00230 | 0.00600 |
| Acenaphthene | U | | 0.00209 | 0.00600 |
| Acenaphthylene | U | | 0.00216 | 0.00600 |
| Benzo(a)anthracene | U | | 0.00173 | 0.00600 |
| Benzo(a)pyrene | U | | 0.00179 | 0.00600 |
| Benzo(b)fluoranthene | U | | 0.00153 | 0.00600 |
| Benzo(g,h,i)perylene | U | | 0.00177 | 0.00600 |
| Benzo(k)fluoranthene | U | | 0.00215 | 0.00600 |
| Chrysene | U | | 0.00232 | 0.00600 |
| Dibenz(a,h)anthracene | U | | 0.00172 | 0.00600 |
| Fluoranthene | U | | 0.00227 | 0.00600 |
| Fluorene | U | | 0.00205 | 0.00600 |
| Indeno(1,2,3-cd)pyrene | U | | 0.00181 | 0.00600 |
| Naphthalene | U | | 0.00408 | 0.0200 |
| Phenanthrene | U | | 0.00231 | 0.00600 |
| Pyrene | U | | 0.00200 | 0.00600 |
| 1-Methylnaphthalene | U | | 0.00449 | 0.0200 |
| 2-Methylnaphthalene | U | | 0.00427 | 0.0200 |
| 2-Chloronaphthalene | U | | 0.00466 | 0.0200 |
| (S) p-Terphenyl-d14 | 83.6 | | | 23.0-120 |
| (S) Nitrobenzene-d5 | 69.7 | | | 14.0-149 |
| (S) 2-Fluorobiphenyl | 74.5 | | | 34.0-125 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3773170-1 03/23/22 08:49

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|-----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Anthracene | 0.0800 | 0.0637 | 79.6 | 50.0-126 | |
| Acenaphthene | 0.0800 | 0.0591 | 73.9 | 50.0-120 | |
| Acenaphthylene | 0.0800 | 0.0588 | 73.5 | 50.0-120 | |
| Benzo(a)anthracene | 0.0800 | 0.0622 | 77.8 | 45.0-120 | |
| Benzo(a)pyrene | 0.0800 | 0.0657 | 82.1 | 42.0-120 | |
| Benzo(b)fluoranthene | 0.0800 | 0.0646 | 80.7 | 42.0-121 | |
| Benzo(g,h,i)perylene | 0.0800 | 0.0621 | 77.6 | 45.0-125 | |
| Benzo(k)fluoranthene | 0.0800 | 0.0659 | 82.4 | 49.0-125 | |
| Chrysene | 0.0800 | 0.0650 | 81.3 | 49.0-122 | |
| Dibenz(a,h)anthracene | 0.0800 | 0.0653 | 81.6 | 47.0-125 | |
| Fluoranthene | 0.0800 | 0.0675 | 84.4 | 49.0-129 | |

Laboratory Control Sample (LCS)

(LCS) R3773170-1 03/23/22 08:49

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Fluorene | 0.0800 | 0.0650 | 81.3 | 49.0-120 | |
| Indeno(1,2,3-cd)pyrene | 0.0800 | 0.0668 | 83.5 | 46.0-125 | |
| Naphthalene | 0.0800 | 0.0586 | 73.3 | 50.0-120 | |
| Phenanthrene | 0.0800 | 0.0596 | 74.5 | 47.0-120 | |
| Pyrene | 0.0800 | 0.0603 | 75.4 | 43.0-123 | |
| 1-Methylnaphthalene | 0.0800 | 0.0621 | 77.6 | 51.0-121 | |
| 2-Methylnaphthalene | 0.0800 | 0.0641 | 80.1 | 50.0-120 | |
| 2-Chloronaphthalene | 0.0800 | 0.0565 | 70.6 | 50.0-120 | |
| (S) p-Terphenyl-d14 | | | 82.3 | 23.0-120 | |
| (S) Nitrobenzene-d5 | | | 76.3 | 14.0-149 | |
| (S) 2-Fluorobiphenyl | | | 79.7 | 34.0-125 | |

L1471151-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1471151-01 03/23/22 13:25 • (MS) R3773170-3 03/23/22 13:44 • (MSD) R3773170-4 03/23/22 14:04

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|------------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Anthracene | 0.0800 | U | 0.0636 | 0.0613 | 79.5 | 76.6 | 1 | 10.0-145 | | | 3.68 | 30 |
| Acenaphthene | 0.0800 | U | 0.0590 | 0.0576 | 73.8 | 72.0 | 1 | 14.0-127 | | | 2.40 | 27 |
| Acenaphthylene | 0.0800 | U | 0.0577 | 0.0570 | 72.1 | 71.3 | 1 | 21.0-124 | | | 1.22 | 25 |
| Benzo(a)anthracene | 0.0800 | U | 0.0657 | 0.0646 | 82.1 | 80.7 | 1 | 10.0-139 | | | 1.69 | 30 |
| Benzo(a)pyrene | 0.0800 | U | 0.0684 | 0.0666 | 85.5 | 83.3 | 1 | 10.0-141 | | | 2.67 | 31 |
| Benzo(b)fluoranthene | 0.0800 | U | 0.0598 | 0.0584 | 74.8 | 73.0 | 1 | 10.0-140 | | | 2.37 | 36 |
| Benzo(g,h,i)perylene | 0.0800 | U | 0.0558 | 0.0539 | 69.8 | 67.4 | 1 | 10.0-140 | | | 3.46 | 33 |
| Benzo(k)fluoranthene | 0.0800 | U | 0.0601 | 0.0590 | 75.1 | 73.8 | 1 | 10.0-137 | | | 1.85 | 31 |
| Chrysene | 0.0800 | 0.00674 | 0.0651 | 0.0618 | 72.9 | 68.8 | 1 | 10.0-145 | | | 5.20 | 30 |
| Dibenz(a,h)anthracene | 0.0800 | U | 0.0585 | 0.0572 | 73.1 | 71.5 | 1 | 10.0-132 | | | 2.25 | 31 |
| Fluoranthene | 0.0800 | U | 0.0681 | 0.0661 | 85.1 | 82.6 | 1 | 10.0-153 | | | 2.98 | 33 |
| Fluorene | 0.0800 | U | 0.0635 | 0.0626 | 79.4 | 78.3 | 1 | 11.0-130 | | | 1.43 | 29 |
| Indeno(1,2,3-cd)pyrene | 0.0800 | U | 0.0610 | 0.0588 | 76.3 | 73.5 | 1 | 10.0-137 | | | 3.67 | 32 |
| Naphthalene | 0.0800 | U | 0.0614 | 0.0590 | 76.8 | 73.8 | 1 | 10.0-135 | | | 3.99 | 27 |
| Phenanthrene | 0.0800 | U | 0.0604 | 0.0562 | 75.5 | 70.3 | 1 | 10.0-144 | | | 7.20 | 31 |
| Pyrene | 0.0800 | U | 0.0603 | 0.0578 | 75.4 | 72.3 | 1 | 10.0-148 | | | 4.23 | 35 |
| 1-Methylnaphthalene | 0.0800 | U | 0.0654 | 0.0631 | 81.8 | 78.9 | 1 | 10.0-142 | | | 3.58 | 28 |
| 2-Methylnaphthalene | 0.0800 | U | 0.0663 | 0.0634 | 82.9 | 79.3 | 1 | 10.0-137 | | | 4.47 | 28 |
| 2-Chloronaphthalene | 0.0800 | U | 0.0559 | 0.0537 | 69.9 | 67.1 | 1 | 29.0-120 | | | 4.01 | 24 |
| (S) p-Terphenyl-d14 | | | | | 75.1 | 71.3 | | 23.0-120 | | | | |
| (S) Nitrobenzene-d5 | | | | | 70.5 | 65.7 | | 14.0-149 | | | | |
| (S) 2-Fluorobiphenyl | | | | | 70.4 | 68.2 | | 34.0-125 | | | | |

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.

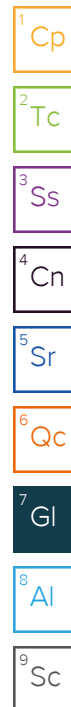
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location.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

| | |
|----|--|
| B | The same analyte is found in the associated blank. |
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
| J3 | The associated batch QC was outside the established quality control range for precision. |
| J5 | The sample matrix interfered with the ability to make any accurate determination; spike value is high. |
| J6 | The sample matrix interfered with the ability to make any accurate determination; spike value is low. |
| T8 | Sample(s) received past/too close to holding time expiration. |
| V | The sample concentration is too high to evaluate accurate spike recoveries. |



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.



| | | | | | | | | | | | | | | | | | | | | | |
|--|--|--------------------|----------|---|---------|----------------------|---|--|--|---|--|---|--|---|--|---|--|--|------------------|---------------------|--|
| Company Name/Address: Entrada Consulting Group 330 Grand Ave Grand Junction, CO 81501 | | | | Billing Information: Stuart Hall 330 Grand Ave Grand Junction, CO 81501 | | | | Analysis / Container / Preservative | | | | | | | | | | Chain of Custody Page <u> </u> of <u> </u> L.A.B S.C.I.E.N.C.E.S YOUR LAB OF CHOICE 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859 | | | |
| Report to: Stuart Hall | | | | Email To: shall@entradainc.com | | | | <div style="display: flex; justify-content: space-around;"> <div>Table 915 GRO/DRO/ORO</div> <div>Table 915 Metals</div> <div>Table 915 PAH's</div> <div>Table 915 VOC's</div> <div>Table 915 pH, SPCON, SAR</div> <div>Table 915 Boron</div> </div> | | | | | | | | | | | | | |
| Project Description: 697-16D Sp:11 | | | | City/State Collected: Debeque CO | | | | | | | | | | | | | | | | | |
| Phone: 970-640-0568 Fax: | | Client Project # | | Lab Project # | | | | | | | | | | | | | | | | | |
| Collected by (print): R. Johnson | | Site/Facility ID # | | P.O. # | | | | | | | | | | | | | | | | | |
| Collected by (signature): Immediately Packed on Ice N <u> </u> Y <u> </u> <input checked="" type="checkbox"/> | | | | Rush? (Lab MUST Be Notified) Same Day200% Next Day100% Two Day50% Three Day25% | | | | Date Results Needed Email? <u> </u> No <input checked="" type="checkbox"/> Yes FAX? <input checked="" type="checkbox"/> No <u> </u> Yes | | | | No. of Cntrs | | L # 11472337 Tab H203 Acctnum: Template: Prelogin: TSR: PB: Shipped Via: | | | | | | | |
| Sample ID | | Comp/Grab | Matrix * | Depth | Date | Time | | | | | | | | | | | | | Rem./Contaminant | Sample # (lab only) | |
| 20220316-697-16D-DISE (18') | | Grab | SS | 18' | 3/16/22 | 0900 | 2 | | | | | | | | | | | | | - 01 | |
| 20220316-697-16D-G (16') | | | | 16' | | 0930 | 2 | | | | | | | | | | | | | - 02 | |
| 20220316-697-16D-NE (10') | | | | 10' | | 0915 | 2 | | | | | | | | | | | | | - 03 | |
| 20220316-697-16D-SB (10') | | | | 20' | | 1600 | 2 | | | | | | | | | | | | | - 04 | |
| 20220316-697-16D-ESE (18') | | | | 18' | | 1330 | 2 | | | | | | | | | | | | | - 05 | |
| <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> Sample Receipt Checklist COC Seal Present/Intact: <u> </u> Y <u> </u> N <u> </u> If Applicable COC Signed/Accurate: <u> </u> Y <u> </u> N <u> </u> VOA Zero Headspace: <u> </u> Y <u> </u> N <u> </u> Bottles arrive intact: <u> </u> Y <u> </u> N <u> </u> Pres. Correct/Check: <u> </u> Y <u> </u> N <u> </u> Correct bottles used: <u> </u> Y <u> </u> N <u> </u> Sufficient volume sent: <u> </u> Y <u> </u> N <u> </u> RAD Screen <0.5 mR/hr: <u> </u> Y <u> </u> N <u> </u> </div> | | | | | | | | | | | | | | | | | | | | | |
| * Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____ | | | | | | | | | | pH _____ Temp _____ Flow _____ Other _____ | | | | | | | | | | | |
| Remarks: | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | | | Date: 3/16/22 | | Time: 1500 | | Received by: (Signature) | | | | Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier <input type="checkbox"/> _____ Temp: 02.92 °C Bottles Received: 10 | | | | Condition: (lab use only) OK | | | | | |
| Relinquished by: (Signature) | | | | Date: 3/16/22 | | Time: 1700 | | Received by: (Signature) | | | | Temp: 1.8 to 4.8 °C Bottles Received: 10 | | | | COC Seal Intact: <u> </u> Y <u> </u> N <u> </u> <input checked="" type="checkbox"/> NA | | | | | |
| Relinquished by: (Signature) | | | | Date: | | Time: | | Received for lab by: (Signature) Olivia Lin | | | | Date: 3/17/22 Time: 1000 | | | | pH Checked: NCF: | | | | | |

Gravimetric Analysis by Method 2540 C-2011

| Analyte | Result mg/l | <u>Qualifier</u> | RDL mg/l | Dilution | Analysis date / time | <u>Batch</u> |
|------------------|----------------|------------------|-------------|----------|-------------------------|---------------------------|
| Dissolved Solids | 815 | | 13.3 | 1 | 03/19/2022 15:20 | WG1835077 |

Wet Chemistry by Method 9056A

| Analyte | Result mg/l | <u>Qualifier</u> | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | <u>Batch</u> |
|----------|----------------|------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Chloride | 65.0 | | 0.379 | 1.00 | 1 | 03/18/2022 22:39 | WG1834529 |
| Sulfate | 221 | | 2.97 | 25.0 | 5 | 03/18/2022 22:54 | WG1834529 |

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

| Analyte | Result mg/l | <u>Qualifier</u> | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | <u>Batch</u> |
|---------------------------|----------------|------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Benzene | U | | 0.0000941 | 0.00100 | 1 | 03/19/2022 20:47 | WG1835019 |
| Toluene | U | | 0.000278 | 0.00100 | 1 | 03/19/2022 20:47 | WG1835019 |
| Ethylbenzene | U | | 0.000137 | 0.00100 | 1 | 03/19/2022 20:47 | WG1835019 |
| Xylenes, Total | U | | 0.000174 | 0.00300 | 1 | 03/19/2022 20:47 | WG1835019 |
| Naphthalene | U | | 0.00100 | 0.00500 | 1 | 03/19/2022 20:47 | WG1835019 |
| 1,2,4-Trimethylbenzene | U | | 0.000322 | 0.00100 | 1 | 03/19/2022 20:47 | WG1835019 |
| 1,3,5-Trimethylbenzene | U | | 0.000104 | 0.00100 | 1 | 03/19/2022 20:47 | WG1835019 |
| (S) Toluene-d8 | 103 | | | 80.0-120 | | 03/19/2022 20:47 | WG1835019 |
| (S) 4-Bromofluorobenzene | 99.9 | | | 77.0-126 | | 03/19/2022 20:47 | WG1835019 |
| (S) 1,2-Dichloroethane-d4 | 100 | | | 70.0-130 | | 03/19/2022 20:47 | WG1835019 |

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Entrada Consulting Group

Sample Delivery Group: L1472572

Samples Received: 03/17/2022

Project Number: 697-16D

Description: 697-16D

Report To: Stuart Hall
240 Mesa Avenue
Grand Junction, CO 81501

Entire Report Reviewed By:



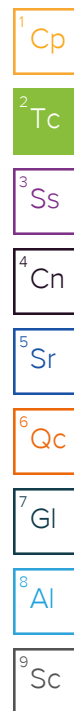
Chris Ward
Project Manager

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 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 | 4 |
| Sr: Sample Results | 5 |
| 20220315-697-16D-SE (12') L1472572-01 | 5 |
| Qc: Quality Control Summary | 7 |
| Wet Chemistry by Method 7199 | 7 |
| Wet Chemistry by Method 9045D | 8 |
| Wet Chemistry by Method 9050AMod | 9 |
| Metals (ICP) by Method 6010B | 10 |
| Metals (ICP) by Method 6010B-NE493 Ch 2 | 11 |
| Metals (ICPMS) by Method 6020 | 12 |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | 13 |
| Volatile Organic Compounds (GC/MS) by Method 8260B | 14 |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | 16 |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM | 17 |
| Gl: Glossary of Terms | 19 |
| Al: Accreditations & Locations | 20 |
| Sc: Sample Chain of Custody | 21 |



SAMPLE SUMMARY

20220315-697-16D-SE (12') L1472572-01 Solid

Collected by
R. Johnson

Collected date/time
03/15/22 09:30

Received date/time
03/17/22 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results | WG1835063 | 1 | 03/22/22 13:59 | 03/22/22 13:59 | ZSA | Mt. Juliet, TN |
| Wet Chemistry by Method 7199 | WG1837245 | 1 | 03/23/22 19:00 | 03/24/22 14:48 | JER | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D | WG1835091 | 1 | 03/22/22 13:00 | 03/22/22 15:51 | PSN | Mt. Juliet, TN |
| Wet Chemistry by Method 9050AMod | WG1834475 | 1 | 03/20/22 02:20 | 03/20/22 07:44 | ARD | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1834743 | 1 | 03/22/22 05:41 | 03/23/22 10:32 | KMG | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B-NE493 Ch 2 | WG1835066 | 1 | 03/20/22 12:40 | 03/22/22 10:24 | CCE | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020 | WG1834746 | 5 | 03/22/22 05:40 | 03/22/22 18:44 | LD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1836744 | 1 | 03/19/22 23:44 | 03/23/22 22:28 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1835368 | 1 | 03/19/22 23:44 | 03/20/22 17:00 | BMB | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG1835165 | 1 | 03/19/22 20:45 | 03/20/22 17:14 | JN | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM | WG1836396 | 1 | 03/23/22 03:17 | 03/23/22 14:41 | LEA | 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.



Chris Ward
Project Manager



Calculated Results

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 0.996 | | 1 | 03/22/2022 13:59 | WG1835063 |

Wet Chemistry by Method 7199

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Hexavalent Chromium | U | | 0.255 | 1.00 | 1 | 03/24/2022 14:48 | WG1837245 |

Wet Chemistry by Method 9045D

| Analyte | Result su | Qualifier | Dilution | Analysis date / time | Batch |
|---------|-----------|--------------------|----------|----------------------|---------------------------|
| pH | 8.29 | T8 | 1 | 03/22/2022 15:51 | WG1835091 |

Sample Narrative:

L1472572-01 WG1835091: 8.29 at 20.1C

Wet Chemistry by Method 9050AMod

| Analyte | Result umhos/cm | Qualifier | RDL umhos/cm | Dilution | Analysis date / time | Batch |
|----------------------|-----------------|-----------|--------------|----------|----------------------|---------------------------|
| Specific Conductance | 552 | | 10.0 | 1 | 03/20/2022 07:44 | WG1834475 |

Sample Narrative:

L1472572-01 WG1834475: at 25C

Metals (ICP) by Method 6010B

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------|-------------------|-----------|-----------|----------|----------------------|---------------------------|
| Barium | 261 | | 0.0852 | 0.500 | 1 | 03/23/2022 10:32 | WG1834743 |
| Cadmium | 0.431 | J | 0.0471 | 0.500 | 1 | 03/23/2022 10:32 | WG1834743 |
| Copper | 25.2 | | 0.400 | 2.00 | 1 | 03/23/2022 10:32 | WG1834743 |
| Lead | 15.4 | | 0.208 | 0.500 | 1 | 03/23/2022 10:32 | WG1834743 |
| Nickel | 16.9 | | 0.132 | 2.00 | 1 | 03/23/2022 10:32 | WG1834743 |
| Selenium | U | | 0.764 | 2.00 | 1 | 03/23/2022 10:32 | WG1834743 |
| Silver | U | | 0.127 | 1.00 | 1 | 03/23/2022 10:32 | WG1834743 |
| Zinc | 52.5 | | 0.832 | 5.00 | 1 | 03/23/2022 10:32 | WG1834743 |

Metals (ICP) by Method 6010B-NE493 Ch 2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|----------------------|-------------|-----------|----------|----------|----------|----------------------|---------------------------|
| Hot Water Sol. Boron | 0.451 | | 0.0167 | 0.200 | 1 | 03/22/2022 10:24 | WG1835066 |

Metals (ICPMS) by Method 6020

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Arsenic | 21.8 | | 0.100 | 1.00 | 5 | 03/22/2022 18:44 | WG1834746 |

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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|--|--------------|--------------------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.250 | J3 | 0.0217 | 0.100 | 1 | 03/23/2022 22:28 | WG1836744 |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 101 | | | 77.0-120 | | 03/23/2022 22:28 | WG1836744 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|-----------------|-----------|--------------|--------------|----------|-------------------------|---------------------------|
| Benzene | U | | 0.000467 | 0.00100 | 1 | 03/20/2022 17:00 | WG1835368 |
| Toluene | U | | 0.00130 | 0.00500 | 1 | 03/20/2022 17:00 | WG1835368 |
| Ethylbenzene | U | | 0.000737 | 0.00250 | 1 | 03/20/2022 17:00 | WG1835368 |
| Xylenes, Total | U | | 0.000880 | 0.00650 | 1 | 03/20/2022 17:00 | WG1835368 |
| Naphthalene | U | | 0.00488 | 0.0125 | 1 | 03/20/2022 17:00 | WG1835368 |
| 1,2,4-Trimethylbenzene | U | | 0.00158 | 0.00500 | 1 | 03/20/2022 17:00 | WG1835368 |
| 1,3,5-Trimethylbenzene | U | | 0.00200 | 0.00500 | 1 | 03/20/2022 17:00 | WG1835368 |
| (S) Toluene-d8 | 106 | | | 75.0-131 | | 03/20/2022 17:00 | WG1835368 |
| (S) 4-Bromofluorobenzene | 99.5 | | | 67.0-138 | | 03/20/2022 17:00 | WG1835368 |
| (S) 1,2-Dichloroethane-d4 | 104 | | | 70.0-130 | | 03/20/2022 17:00 | WG1835368 |

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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|-------------------------|-----------------|-----------|--------------|--------------|----------|-------------------------|---------------------------|
| C10-C28 Diesel Range | 4.05 | | 1.61 | 4.00 | 1 | 03/20/2022 17:14 | WG1835165 |
| C28-C36 Motor Oil Range | 16.0 | | 0.274 | 4.00 | 1 | 03/20/2022 17:14 | WG1835165 |
| (S) o-Terphenyl | 67.5 | | | 18.0-148 | | 03/20/2022 17:14 | WG1835165 |

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------|-----------|--------------|--------------|----------|-------------------------|---------------------------|
| Anthracene | U | | 0.00230 | 0.00600 | 1 | 03/23/2022 14:41 | WG1836396 |
| Acenaphthene | U | | 0.00209 | 0.00600 | 1 | 03/23/2022 14:41 | WG1836396 |
| Acenaphthylene | U | | 0.00216 | 0.00600 | 1 | 03/23/2022 14:41 | WG1836396 |
| Benzo(a)anthracene | U | | 0.00173 | 0.00600 | 1 | 03/23/2022 14:41 | WG1836396 |
| Benzo(a)pyrene | U | | 0.00179 | 0.00600 | 1 | 03/23/2022 14:41 | WG1836396 |
| Benzo(b)fluoranthene | U | | 0.00153 | 0.00600 | 1 | 03/23/2022 14:41 | WG1836396 |
| Benzo(g,h,i)perylene | U | | 0.00177 | 0.00600 | 1 | 03/23/2022 14:41 | WG1836396 |
| Benzo(k)fluoranthene | U | | 0.00215 | 0.00600 | 1 | 03/23/2022 14:41 | WG1836396 |
| Chrysene | U | | 0.00232 | 0.00600 | 1 | 03/23/2022 14:41 | WG1836396 |
| Dibenz(a,h)anthracene | U | | 0.00172 | 0.00600 | 1 | 03/23/2022 14:41 | WG1836396 |
| Fluoranthene | U | | 0.00227 | 0.00600 | 1 | 03/23/2022 14:41 | WG1836396 |
| Fluorene | U | | 0.00205 | 0.00600 | 1 | 03/23/2022 14:41 | WG1836396 |
| Indeno(1,2,3-cd)pyrene | U | | 0.00181 | 0.00600 | 1 | 03/23/2022 14:41 | WG1836396 |
| Naphthalene | U | | 0.00408 | 0.0200 | 1 | 03/23/2022 14:41 | WG1836396 |
| Phenanthrene | U | | 0.00231 | 0.00600 | 1 | 03/23/2022 14:41 | WG1836396 |
| Pyrene | U | | 0.00200 | 0.00600 | 1 | 03/23/2022 14:41 | WG1836396 |
| 1-Methylnaphthalene | U | | 0.00449 | 0.0200 | 1 | 03/23/2022 14:41 | WG1836396 |
| 2-Methylnaphthalene | U | | 0.00427 | 0.0200 | 1 | 03/23/2022 14:41 | WG1836396 |
| 2-Chloronaphthalene | U | | 0.00466 | 0.0200 | 1 | 03/23/2022 14:41 | WG1836396 |
| (S) p-Terphenyl-d14 | 110 | | | 23.0-120 | | 03/23/2022 14:41 | WG1836396 |
| (S) Nitrobenzene-d5 | 81.8 | | | 14.0-149 | | 03/23/2022 14:41 | WG1836396 |
| (S) 2-Fluorobiphenyl | 88.3 | | | 34.0-125 | | 03/23/2022 14:41 | WG1836396 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3774018-1 03/24/22 14:36

| | MB Result | MB Qualifier | MB MDL | MB RDL |
|---------------------|-----------|--------------|--------|--------|
| Analyte | mg/kg | | mg/kg | mg/kg |
| Hexavalent Chromium | U | | 0.255 | 1.00 |

L1472718-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1472718-01 03/24/22 14:53 • (DUP) R3774018-3 03/24/22 14:59

| | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/kg | mg/kg | | % | | % |
| Hexavalent Chromium | 1.87 | 1.59 | 1 | 15.8 | | 20 |

L1473401-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1473401-01 03/24/22 17:11 • (DUP) R3774018-8 03/24/22 17:18

| | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/kg | mg/kg | | % | | % |
| Hexavalent Chromium | U | U | 1 | 0.000 | | 20 |

Laboratory Control Sample (LCS)

(LCS) R3774018-2 03/24/22 14:43

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------------------|--------------|------------|----------|-------------|---------------|
| Analyte | mg/kg | mg/kg | % | % | |
| Hexavalent Chromium | 10.0 | 10.4 | 104 | 80.0-120 | |

L1473078-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1473078-02 03/24/22 15:25 • (MS) R3774018-4 03/24/22 15:40 • (MSD) R3774018-5 03/24/22 15:45

| | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD | RPD Limits |
|---------------------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
| Analyte | mg/kg | mg/kg | mg/kg | mg/kg | % | % | | % | | | % | % |
| Hexavalent Chromium | 20.0 | 0.841 | 17.5 | 6.97 | 83.2 | 30.6 | 1 | 75.0-125 | | J3 J6 | 86.0 | 20 |

L1473078-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1473078-02 03/24/22 15:25 • (MS) R3774018-6 03/24/22 15:51

| | Spike Amount | Original Result | MS Result | MS Rec. | Dilution | Rec. Limits | MS Qualifier |
|---------------------|--------------|-----------------|-----------|---------|----------|-------------|--------------|
| Analyte | mg/kg | mg/kg | mg/kg | % | | % | |
| Hexavalent Chromium | 646 | 0.841 | 523 | 81.0 | 50 | 75.0-125 | |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R3772697-1 03/22/22 15:51

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | <u>LCS Qualifier</u> |
|---------|--------------|------------|----------|-------------|----------------------|
| | su | su | % | % | |
| pH | 10.0 | 9.95 | 99.5 | 99.0-101 | |

Sample Narrative:

LCS: 9.95 at 20.2C

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3771731-1 03/20/22 07:44

| 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

L1471637-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1471637-08 03/20/22 07:44 • (DUP) R3771731-3 03/20/22 07:44

| Analyte | Original Result umhos/cm | DUP Result umhos/cm | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------------------|-----------------------------|------------------------|----------|--------------|---------------|------------------------|
| Specific Conductance | 4360 | 4630 | 1 | 6.01 | | 20 |

Sample Narrative:

OS: at 25C

DUP: at 25C

L1472324-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1472324-03 03/20/22 07:44 • (DUP) R3771731-4 03/20/22 07:44

| Analyte | Original Result umhos/cm | DUP Result umhos/cm | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------------------|-----------------------------|------------------------|----------|--------------|---------------|------------------------|
| Specific Conductance | 12100 | 12600 | 1 | 3.32 | | 20 |

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R3771731-2 03/20/22 07:44

| Analyte | Spike Amount umhos/cm | LCS Result umhos/cm | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------|--------------------------|------------------------|---------------|------------------|---------------|
| Specific Conductance | 268 | 266 | 99.1 | 85.0-115 | |

Sample Narrative:

LCS: at 25C



Method Blank (MB)

(MB) R3773274-1 03/23/22 09:41

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|----------|--------------------|--------------|-----------------|-----------------|
| Barium | U | | 0.0852 | 0.500 |
| Cadmium | U | | 0.0471 | 0.500 |
| Copper | U | | 0.400 | 2.00 |
| Lead | U | | 0.208 | 0.500 |
| Nickel | U | | 0.132 | 2.00 |
| Selenium | U | | 0.764 | 2.00 |
| Silver | U | | 0.127 | 1.00 |
| Zinc | U | | 0.832 | 5.00 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3773274-2 03/23/22 09:44

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------|-----------------------|---------------------|---------------|------------------|---------------|
| Barium | 100 | 103 | 103 | 80.0-120 | |
| Cadmium | 100 | 97.8 | 97.8 | 80.0-120 | |
| Copper | 100 | 104 | 104 | 80.0-120 | |
| Lead | 100 | 99.9 | 99.9 | 80.0-120 | |
| Nickel | 100 | 103 | 103 | 80.0-120 | |
| Selenium | 100 | 97.7 | 97.7 | 80.0-120 | |
| Silver | 20.0 | 18.6 | 93.1 | 80.0-120 | |
| Zinc | 100 | 97.4 | 97.4 | 80.0-120 | |

L1472580-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1472580-01 03/23/22 09:46 • (MS) R3773274-5 03/23/22 09:54 • (MSD) R3773274-6 03/23/22 09:57

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|----------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Barium | 100 | 7.90 | 108 | 106 | 100 | 97.7 | 1 | 75.0-125 | | | 2.39 | 20 |
| Cadmium | 100 | 0.0777 | 101 | 97.8 | 101 | 97.7 | 1 | 75.0-125 | | | 3.03 | 20 |
| Copper | 100 | 2.57 | 106 | 103 | 104 | 101 | 1 | 75.0-125 | | | 2.67 | 20 |
| Lead | 100 | 1.23 | 103 | 100 | 101 | 99.1 | 1 | 75.0-125 | | | 2.32 | 20 |
| Nickel | 100 | 2.80 | 103 | 102 | 100 | 99.3 | 1 | 75.0-125 | | | 0.896 | 20 |
| Selenium | 100 | U | 99.8 | 97.3 | 99.8 | 97.3 | 1 | 75.0-125 | | | 2.53 | 20 |
| Silver | 20.0 | U | 19.1 | 18.7 | 95.3 | 93.6 | 1 | 75.0-125 | | | 1.82 | 20 |
| Zinc | 100 | 6.69 | 100 | 97.6 | 93.8 | 90.9 | 1 | 75.0-125 | | | 2.86 | 20 |

Method Blank (MB)

(MB) R3772551-1 03/22/22 08:34

| Analyte | MB Result mg/l | <u>MB Qualifier</u> | MB MDL mg/l | MB RDL mg/l |
|----------------------|-------------------|---------------------|----------------|----------------|
| Hot Water Sol. Boron | U | | 0.0167 | 0.200 |

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

(LCS) R3772551-2 03/22/22 08:37 • (LCSD) R3772551-3 03/22/22 08:39

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCSD Result mg/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | <u>LCS Qualifier</u> | <u>LCSD Qualifier</u> | RPD % | RPD Limits % |
|----------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|----------------------|-----------------------|----------|-----------------|
| Hot Water Sol. Boron | 1.00 | 1.03 | 0.995 | 103 | 99.5 | 80.0-120 | | | 3.56 | 20 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3772767-1 03/22/22 17:28

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------|--------------------|--------------|-----------------|-----------------|
| Arsenic | U | | 0.100 | 1.00 |

Laboratory Control Sample (LCS)

(LCS) R3772767-2 03/22/22 17:31

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---------|-----------------------|---------------------|---------------|------------------|---------------|
| Arsenic | 100 | 97.4 | 97.4 | 80.0-120 | |

L1472580-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1472580-01 03/22/22 17:35 • (MS) R3772767-5 03/22/22 17:44 • (MSD) R3772767-6 03/22/22 17:47

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Arsenic | 100 | 1.09 | 97.1 | 94.4 | 96.0 | 93.3 | 5 | 75.0-125 | | | 2.83 | 20 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3773493-2 03/23/22 20:35

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction | U | | 0.0217 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 110 | | | 77.0-120 |

Laboratory Control Sample (LCS)

(LCS) R3773493-1 03/23/22 19:25

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction | 5.50 | 4.55 | 82.7 | 72.0-127 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 98.2 | 77.0-120 | |

L1472572-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1472572-01 03/23/22 22:28 • (MS) R3773493-3 03/24/22 04:57 • (MSD) R3773493-4 03/24/22 05:18

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|------------------------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| TPH (GC/FID) Low Fraction | 5.50 | 0.250 | 2.94 | 1.71 | 48.9 | 26.5 | 1 | 10.0-151 | | J3 | 52.9 | 28 |
| (S) a,a,a-Trifluorotoluene(FID) | | | | | 93.2 | 85.8 | | 77.0-120 | | | | |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3771869-3 03/20/22 12:29

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene | U | | 0.000467 | 0.00100 |
| Toluene | U | | 0.00130 | 0.00500 |
| Ethylbenzene | U | | 0.000737 | 0.00250 |
| Xylenes, Total | U | | 0.000880 | 0.00650 |
| Naphthalene | U | | 0.00488 | 0.0125 |
| 1,2,4-Trimethylbenzene | U | | 0.00158 | 0.00500 |
| 1,3,5-Trimethylbenzene | U | | 0.00200 | 0.00500 |
| (S) Toluene-d8 | 103 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 98.6 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 103 | | | 70.0-130 |

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

(LCS) R3771869-1 03/20/22 11:32 • (LCSD) R3771869-2 03/20/22 11:51

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCSD Result mg/kg | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Benzene | 0.125 | 0.115 | 0.113 | 92.0 | 90.4 | 70.0-123 | | | 1.75 | 20 |
| Toluene | 0.125 | 0.117 | 0.114 | 93.6 | 91.2 | 75.0-121 | | | 2.60 | 20 |
| Ethylbenzene | 0.125 | 0.114 | 0.113 | 91.2 | 90.4 | 74.0-126 | | | 0.881 | 20 |
| Xylenes, Total | 0.375 | 0.345 | 0.342 | 92.0 | 91.2 | 72.0-127 | | | 0.873 | 20 |
| Naphthalene | 0.125 | 0.105 | 0.0978 | 84.0 | 78.2 | 59.0-130 | | | 7.10 | 20 |
| 1,2,4-Trimethylbenzene | 0.125 | 0.101 | 0.0969 | 80.8 | 77.5 | 70.0-126 | | | 4.14 | 20 |
| 1,3,5-Trimethylbenzene | 0.125 | 0.106 | 0.100 | 84.8 | 80.0 | 73.0-127 | | | 5.83 | 20 |
| (S) Toluene-d8 | | | | 103 | 103 | 75.0-131 | | | | |
| (S) 4-Bromofluorobenzene | | | | 97.8 | 99.5 | 67.0-138 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | 109 | 106 | 70.0-130 | | | | |

L1471850-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1471850-02 03/20/22 16:03 • (MS) R3771869-4 03/20/22 19:31 • (MSD) R3771869-5 03/20/22 19:50

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|------------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Benzene | 0.109 | U | 0.104 | 0.104 | 95.4 | 95.4 | 1 | 10.0-149 | | | 0.000 | 37 |
| Toluene | 0.109 | U | 0.105 | 0.106 | 96.3 | 97.2 | 1 | 10.0-156 | | | 0.948 | 38 |
| Ethylbenzene | 0.109 | U | 0.103 | 0.103 | 94.5 | 94.5 | 1 | 10.0-160 | | | 0.000 | 38 |
| Xylenes, Total | 0.327 | U | 0.320 | 0.320 | 97.9 | 97.9 | 1 | 10.0-160 | | | 0.000 | 38 |
| Naphthalene | 0.109 | U | 0.0843 | 0.0847 | 77.3 | 77.7 | 1 | 10.0-160 | | | 0.473 | 36 |
| 1,2,4-Trimethylbenzene | 0.109 | U | 0.0931 | 0.0921 | 85.4 | 84.5 | 1 | 10.0-160 | | | 1.08 | 36 |
| 1,3,5-Trimethylbenzene | 0.109 | U | 0.0955 | 0.0992 | 87.6 | 91.0 | 1 | 10.0-160 | | | 3.80 | 38 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1471850-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1471850-02 03/20/22 16:03 • (MS) R3771869-4 03/20/22 19:31 • (MSD) R3771869-5 03/20/22 19:50

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---------------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| (S) Toluene-d8 | | | | | 104 | 103 | | 75.0-131 | | | | |
| (S) 4-Bromofluorobenzene | | | | | 100 | 99.3 | | 67.0-138 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | | 107 | 106 | | 70.0-130 | | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3771891-1 03/20/22 11:58

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|-------------------------|--------------------|--------------|-----------------|-----------------|
| C10-C28 Diesel Range | U | | 1.61 | 4.00 |
| C28-C36 Motor Oil Range | 1.21 | ⬇ | 0.274 | 4.00 |
| (S) o-Terphenyl | 68.6 | | | 18.0-148 |

Laboratory Control Sample (LCS)

(LCS) R3771891-2 03/20/22 12:13

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0 | 37.7 | 75.4 | 50.0-150 | |
| (S) o-Terphenyl | | | 93.4 | 18.0-148 | |

L1472146-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1472146-01 03/20/22 12:28 • (MS) R3771891-3 03/20/22 12:43 • (MSD) R3771891-4 03/20/22 12:58

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|----------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| C10-C28 Diesel Range | 49.0 | U | 31.4 | 33.4 | 64.1 | 68.2 | 1 | 50.0-150 | | | 6.17 | 20 |
| (S) o-Terphenyl | | | | | 69.3 | 73.7 | | 18.0-148 | | | | |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3772933-2 03/23/22 08:42

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------|--------------------|--------------|-----------------|-----------------|
| Anthracene | U | | 0.00230 | 0.00600 |
| Acenaphthene | U | | 0.00209 | 0.00600 |
| Acenaphthylene | U | | 0.00216 | 0.00600 |
| Benzo(a)anthracene | U | | 0.00173 | 0.00600 |
| Benzo(a)pyrene | U | | 0.00179 | 0.00600 |
| Benzo(b)fluoranthene | U | | 0.00153 | 0.00600 |
| Benzo(g,h,i)perylene | U | | 0.00177 | 0.00600 |
| Benzo(k)fluoranthene | U | | 0.00215 | 0.00600 |
| Chrysene | U | | 0.00232 | 0.00600 |
| Dibenz(a,h)anthracene | U | | 0.00172 | 0.00600 |
| Fluoranthene | U | | 0.00227 | 0.00600 |
| Fluorene | U | | 0.00205 | 0.00600 |
| Indeno(1,2,3-cd)pyrene | U | | 0.00181 | 0.00600 |
| Naphthalene | U | | 0.00408 | 0.0200 |
| Phenanthrene | U | | 0.00231 | 0.00600 |
| Pyrene | U | | 0.00200 | 0.00600 |
| 1-Methylnaphthalene | U | | 0.00449 | 0.0200 |
| 2-Methylnaphthalene | U | | 0.00427 | 0.0200 |
| 2-Chloronaphthalene | U | | 0.00466 | 0.0200 |
| (S) p-Terphenyl-d14 | 118 | | | 23.0-120 |
| (S) Nitrobenzene-d5 | 91.8 | | | 14.0-149 |
| (S) 2-Fluorobiphenyl | 93.8 | | | 34.0-125 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R3772933-1 03/23/22 08:22

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|-----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Anthracene | 0.0800 | 0.0808 | 101 | 50.0-126 | |
| Acenaphthene | 0.0800 | 0.0778 | 97.3 | 50.0-120 | |
| Acenaphthylene | 0.0800 | 0.0839 | 105 | 50.0-120 | |
| Benzo(a)anthracene | 0.0800 | 0.0801 | 100 | 45.0-120 | |
| Benzo(a)pyrene | 0.0800 | 0.0692 | 86.5 | 42.0-120 | |
| Benzo(b)fluoranthene | 0.0800 | 0.0783 | 97.9 | 42.0-121 | |
| Benzo(g,h,i)perylene | 0.0800 | 0.0785 | 98.1 | 45.0-125 | |
| Benzo(k)fluoranthene | 0.0800 | 0.0752 | 94.0 | 49.0-125 | |
| Chrysene | 0.0800 | 0.0837 | 105 | 49.0-122 | |
| Dibenz(a,h)anthracene | 0.0800 | 0.0768 | 96.0 | 47.0-125 | |
| Fluoranthene | 0.0800 | 0.0810 | 101 | 49.0-129 | |

Laboratory Control Sample (LCS)

(LCS) R3772933-1 03/23/22 08:22

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Fluorene | 0.0800 | 0.0826 | 103 | 49.0-120 | |
| Indeno(1,2,3-cd)pyrene | 0.0800 | 0.0770 | 96.3 | 46.0-125 | |
| Naphthalene | 0.0800 | 0.0767 | 95.9 | 50.0-120 | |
| Phenanthrene | 0.0800 | 0.0777 | 97.1 | 47.0-120 | |
| Pyrene | 0.0800 | 0.0847 | 106 | 43.0-123 | |
| 1-Methylnaphthalene | 0.0800 | 0.0785 | 98.1 | 51.0-121 | |
| 2-Methylnaphthalene | 0.0800 | 0.0753 | 94.1 | 50.0-120 | |
| 2-Chloronaphthalene | 0.0800 | 0.0777 | 97.1 | 50.0-120 | |
| (S) p-Terphenyl-d14 | | | 114 | 23.0-120 | |
| (S) Nitrobenzene-d5 | | | 93.6 | 14.0-149 | |
| (S) 2-Fluorobiphenyl | | | 94.0 | 34.0-125 | |

L1472492-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1472492-04 03/23/22 09:42 • (MS) R3772933-3 03/23/22 10:02 • (MSD) R3772933-4 03/23/22 10:22

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|------------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Anthracene | 0.0800 | U | 0.0733 | 0.0780 | 91.6 | 97.5 | 1 | 10.0-145 | | | 6.21 | 30 |
| Acenaphthene | 0.0800 | U | 0.0703 | 0.0731 | 87.9 | 91.4 | 1 | 14.0-127 | | | 3.91 | 27 |
| Acenaphthylene | 0.0800 | U | 0.0760 | 0.0774 | 95.0 | 96.8 | 1 | 21.0-124 | | | 1.83 | 25 |
| Benzo(a)anthracene | 0.0800 | U | 0.0727 | 0.0819 | 90.9 | 102 | 1 | 10.0-139 | | | 11.9 | 30 |
| Benzo(a)pyrene | 0.0800 | U | 0.0675 | 0.0749 | 84.4 | 93.6 | 1 | 10.0-141 | | | 10.4 | 31 |
| Benzo(b)fluoranthene | 0.0800 | U | 0.0701 | 0.0764 | 87.6 | 95.5 | 1 | 10.0-140 | | | 8.60 | 36 |
| Benzo(g,h,i)perylene | 0.0800 | U | 0.0650 | 0.0713 | 81.3 | 89.1 | 1 | 10.0-140 | | | 9.24 | 33 |
| Benzo(k)fluoranthene | 0.0800 | U | 0.0648 | 0.0717 | 81.0 | 89.6 | 1 | 10.0-137 | | | 10.1 | 31 |
| Chrysene | 0.0800 | U | 0.0776 | 0.0824 | 97.0 | 103 | 1 | 10.0-145 | | | 6.00 | 30 |
| Dibenz(a,h)anthracene | 0.0800 | U | 0.0623 | 0.0689 | 77.9 | 86.1 | 1 | 10.0-132 | | | 10.1 | 31 |
| Fluoranthene | 0.0800 | U | 0.0750 | 0.0823 | 93.8 | 103 | 1 | 10.0-153 | | | 9.28 | 33 |
| Fluorene | 0.0800 | U | 0.0745 | 0.0777 | 93.1 | 97.1 | 1 | 11.0-130 | | | 4.20 | 29 |
| Indeno(1,2,3-cd)pyrene | 0.0800 | U | 0.0640 | 0.0705 | 80.0 | 88.1 | 1 | 10.0-137 | | | 9.67 | 32 |
| Naphthalene | 0.0800 | U | 0.0722 | 0.0735 | 90.3 | 91.9 | 1 | 10.0-135 | | | 1.78 | 27 |
| Phenanthrene | 0.0800 | U | 0.0706 | 0.0768 | 88.3 | 96.0 | 1 | 10.0-144 | | | 8.41 | 31 |
| Pyrene | 0.0800 | U | 0.0758 | 0.0824 | 94.8 | 103 | 1 | 10.0-148 | | | 8.34 | 35 |
| 1-Methylnaphthalene | 0.0800 | U | 0.0734 | 0.0747 | 91.8 | 93.4 | 1 | 10.0-142 | | | 1.76 | 28 |
| 2-Methylnaphthalene | 0.0800 | U | 0.0696 | 0.0733 | 87.0 | 91.6 | 1 | 10.0-137 | | | 5.18 | 28 |
| 2-Chloronaphthalene | 0.0800 | U | 0.0709 | 0.0717 | 88.6 | 89.6 | 1 | 29.0-120 | | | 1.12 | 24 |
| (S) p-Terphenyl-d14 | | | | | 102 | 107 | | 23.0-120 | | | | |
| (S) Nitrobenzene-d5 | | | | | 92.1 | 91.1 | | 14.0-149 | | | | |
| (S) 2-Fluorobiphenyl | | | | | 88.6 | 89.2 | | 34.0-125 | | | | |

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.

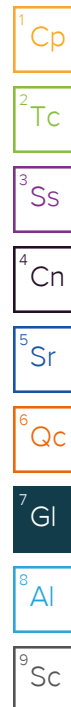
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. 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. |
| 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. |
| T8 | Sample(s) received past/too close to holding time expiration. |



ACCREDITATIONS & LOCATIONS

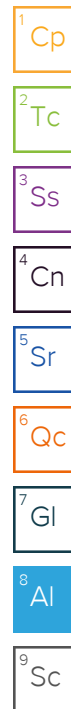
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122




| | | | |
|--------------------------------|-------------|-----------------------------|------------------|
| 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.



| | | | | | | | | | | | | | | | | | | | |
|---|--|---|-----------|---|----------------|-------------|--------------|-------------------------------------|------------------|-----------------|-----------------|--------------------------|-----------------|--|--|----------------|---------------------|--|--|
| Company Name/Address: Entrada Consulting Group 330 Grand Ave Grand Junction, CO 81501 | | | | Billing Information: Stuart Hall 330 Grand Ave Grand Junction, CO 81501 | | | | Analysis / Container / Preservative | | | | | | | | | | Chain of Custody Page ____ of ____ | |
| Report to: Stuart Hall | | | | Email To: shall@entradainc.com | | | | | | | | | | | | | |  L.A.B S.C.I.E.N.C.E.S YOUR LAB OF CHOICE 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859  | |
| Project Description: 697-16D | | | | City/State Collected: DeDeque, CO | | | | | | | | | | | | | | L# 1472572 | |
| Phone: 970-640-0568 | | Client Project # | | Lab Project # | | | | | | | | | | | | Ta E007 | | | |
| Fax: | | | | | | | | | | | | | | | | Acc | | | |
| Collected by (print): R. Johnson | | Site/Facility ID # | | P.O. # | | | | | | | | | | | | Template: | | | |
| Collected by (signature):  | | Rush? (Lab MUST Be Notified) ____ Same Day200% ____ Next Day100% ____ Two Day50% ____ Three Day25% | | Date Results Needed | | | | | | | | | | | | Prelogin: | | | |
| Immediately | | | | Email? ____ No <input checked="" type="checkbox"/> Yes | | | | | | | | | | | | TSR: | | | |
| Packed on Ice N ____ Y <input checked="" type="checkbox"/> | | | | FAX? <input checked="" type="checkbox"/> No ____ Yes | | | | | | | | | | | | PB: | | | |
| Sample ID | | Comp/Grab | Matrix * | Depth | Date | Time | No. of Cntrs | Table 915 GRO/DRO/ORO | Table 915 Metals | Table 915 PAH's | Table 915 VOC's | Table 915 pH, SPCON, SAR | Table 915 Boron | | | | Shipped Via: | | |
| 20220315-697-16D-SE (12') | | Grab | SS | 12' | 3/15/22 | 0930 | 2 | X | X | X | X | X | X | | | | Rem./Contaminant | | |
| | | | | | | | | | | | | | | | | | Sample # (lab only) | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

Feder 5016 1231 9614

Entrada Consulting Group

Sample Delivery Group: L1474259
Samples Received: 03/23/2022
Project Number: 697-16D EX
Description: 697-16D Ex
Site: 697-16D
Report To: Stuart Hall
240 Mesa Avenue
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 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 |
| 697-16D NEWALL L1474259-01 | 6 |
| 697-16D NWALL L1474259-02 | 8 |
| 697-16D NWWALL L1474259-03 | 10 |
| 697-16D NBOT L1474259-04 | 12 |
| Qc: Quality Control Summary | 14 |
| Wet Chemistry by Method 7199 | 14 |
| Wet Chemistry by Method 9045D | 15 |
| Wet Chemistry by Method 9050AMod | 16 |
| Metals (ICP) by Method 6010B | 17 |
| Metals (ICP) by Method 6010B-NE493 Ch 2 | 18 |
| Metals (ICPMS) by Method 6020 | 19 |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | 20 |
| Volatile Organic Compounds (GC/MS) by Method 8260B | 21 |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | 23 |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM | 24 |
| Gl: Glossary of Terms | 26 |
| Al: Accreditations & Locations | 27 |
| Sc: Sample Chain of Custody | 28 |

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

SAMPLE SUMMARY

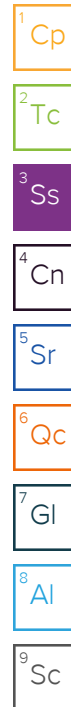
697-16D NEWALL L1474259-01 Solid

Collected by
Matt Kasten

Collected date/time
03/21/22 10:10

Received date/time
03/23/22 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results | WG1837455 | 1 | 03/26/22 14:07 | 03/26/22 14:07 | KMG | Mt. Juliet, TN |
| Wet Chemistry by Method 7199 | WG1839107 | 1 | 03/27/22 21:08 | 03/28/22 16:51 | JER | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D | WG1838205 | 1 | 03/25/22 09:00 | 03/25/22 13:00 | GI | Mt. Juliet, TN |
| Wet Chemistry by Method 9050AMod | WG1837386 | 1 | 03/24/22 05:16 | 03/24/22 08:31 | ARD | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1836722 | 1 | 03/24/22 15:54 | 03/26/22 00:37 | KMG | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B-NE493 Ch 2 | WG1839830 | 1 | 03/29/22 08:28 | 03/29/22 19:22 | CCE | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020 | WG1836721 | 5 | 03/24/22 15:46 | 03/25/22 16:06 | JPD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1837412 | 1 | 03/21/22 10:10 | 03/24/22 16:04 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1838651 | 1 | 03/21/22 10:10 | 03/27/22 18:01 | ADM | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG1839734 | 1 | 03/29/22 04:05 | 03/29/22 14:59 | TJD | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM | WG1840014 | 1 | 03/29/22 17:02 | 03/30/22 04:09 | AMG | Mt. Juliet, TN |



697-16D NWALL L1474259-02 Solid

Collected by
Matt Kasten

Collected date/time
03/21/22 10:30

Received date/time
03/23/22 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results | WG1837455 | 1 | 03/26/22 14:10 | 03/26/22 14:10 | KMG | Mt. Juliet, TN |
| Wet Chemistry by Method 7199 | WG1839107 | 1 | 03/27/22 21:08 | 03/28/22 17:01 | JER | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D | WG1838205 | 1 | 03/25/22 09:00 | 03/25/22 13:00 | GI | Mt. Juliet, TN |
| Wet Chemistry by Method 9050AMod | WG1837386 | 1 | 03/24/22 05:16 | 03/24/22 08:31 | ARD | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1836722 | 1 | 03/24/22 15:54 | 03/26/22 00:40 | KMG | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B-NE493 Ch 2 | WG1839830 | 1 | 03/29/22 08:28 | 03/29/22 19:24 | CCE | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020 | WG1836721 | 5 | 03/24/22 15:46 | 03/25/22 16:10 | JPD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1837412 | 1 | 03/21/22 10:30 | 03/24/22 16:25 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1838651 | 1 | 03/21/22 10:30 | 03/27/22 18:20 | ADM | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG1839734 | 1 | 03/29/22 04:05 | 03/29/22 14:46 | TJD | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM | WG1840014 | 1 | 03/29/22 17:02 | 03/30/22 18:29 | LEA | Mt. Juliet, TN |

697-16D NWWALL L1474259-03 Solid

Collected by
Matt Kasten

Collected date/time
03/21/22 11:00

Received date/time
03/23/22 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results | WG1837455 | 1 | 03/26/22 14:13 | 03/26/22 14:13 | KMG | Mt. Juliet, TN |
| Wet Chemistry by Method 7199 | WG1839107 | 1 | 03/27/22 21:08 | 03/28/22 17:07 | JER | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D | WG1838205 | 1 | 03/25/22 09:00 | 03/25/22 13:00 | GI | Mt. Juliet, TN |
| Wet Chemistry by Method 9050AMod | WG1837386 | 1 | 03/24/22 05:16 | 03/24/22 08:31 | ARD | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B | WG1836722 | 1 | 03/24/22 15:54 | 03/26/22 00:44 | KMG | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B-NE493 Ch 2 | WG1839830 | 1 | 03/29/22 08:28 | 03/29/22 19:27 | CCE | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020 | WG1836721 | 5 | 03/24/22 15:46 | 03/25/22 16:13 | JPD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1837412 | 1 | 03/21/22 11:00 | 03/24/22 16:47 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1838651 | 1 | 03/21/22 11:00 | 03/27/22 18:39 | ADM | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG1839734 | 1 | 03/29/22 04:05 | 03/29/22 15:12 | TJD | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG1839734 | 5 | 03/29/22 04:05 | 03/30/22 03:58 | JAS | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM | WG1840014 | 1 | 03/29/22 17:02 | 03/30/22 19:03 | LEA | Mt. Juliet, TN |

697-16D NBOT L1474259-04 Solid

Collected by
Matt Kasten

Collected date/time
03/21/22 11:15

Received date/time
03/23/22 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|----------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results | WG1837455 | 1 | 03/26/22 14:15 | 03/26/22 14:15 | KMG | Mt. Juliet, TN |
| Wet Chemistry by Method 7199 | WG1839107 | 1 | 03/27/22 21:08 | 03/28/22 17:12 | JER | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D | WG1838205 | 1 | 03/25/22 09:00 | 03/25/22 13:00 | GI | Mt. Juliet, TN |
| Wet Chemistry by Method 9050AMod | WG1837386 | 1 | 03/24/22 05:16 | 03/24/22 08:31 | ARD | Mt. Juliet, TN |

SAMPLE SUMMARY

697-16D NBOT L1474259-04 Solid

Collected by
Matt Kasten

Collected date/time
03/21/22 11:15

Received date/time
03/23/22 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Metals (ICP) by Method 6010B | WG1836722 | 1 | 03/24/22 15:54 | 03/26/22 00:47 | KMG | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B-NE493 Ch 2 | WG1839830 | 1 | 03/29/22 08:28 | 03/29/22 19:30 | CCE | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020 | WG1836721 | 5 | 03/24/22 15:46 | 03/25/22 16:16 | JPD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1837412 | 1 | 03/21/22 11:15 | 03/24/22 17:08 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1838651 | 1 | 03/21/22 11:15 | 03/27/22 18:59 | ADM | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG1839734 | 5 | 03/29/22 04:05 | 03/29/22 16:16 | TJD | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM | WG1840014 | 1 | 03/29/22 17:02 | 03/30/22 18:46 | LEA | 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.



Chris Ward
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Calculated Results

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 0.768 | | 1 | 03/26/2022 14:07 | WG1837455 |

Wet Chemistry by Method 7199

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Hexavalent Chromium | U | | 0.255 | 1.00 | 1 | 03/28/2022 16:51 | WG1839107 |

Wet Chemistry by Method 9045D

| Analyte | Result su | Qualifier | Dilution | Analysis date / time | Batch |
|---------|-----------|--------------------|----------|----------------------|---------------------------|
| pH | 8.41 | T8 | 1 | 03/25/2022 13:00 | WG1838205 |

Sample Narrative:

L1474259-01 WG1838205: 8.41 at 20C

Wet Chemistry by Method 9050AMod

| Analyte | Result umhos/cm | Qualifier | RDL umhos/cm | Dilution | Analysis date / time | Batch |
|----------------------|-----------------|-----------|--------------|----------|----------------------|---------------------------|
| Specific Conductance | 300 | | 10.0 | 1 | 03/24/2022 08:31 | WG1837386 |

Sample Narrative:

L1474259-01 WG1837386: at 25C

Metals (ICP) by Method 6010B

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------|-------------------|-----------|-----------|----------|----------------------|---------------------------|
| Barium | 410 | | 0.0852 | 0.500 | 1 | 03/26/2022 00:37 | WG1836722 |
| Cadmium | 0.289 | J | 0.0471 | 0.500 | 1 | 03/26/2022 00:37 | WG1836722 |
| Copper | 26.1 | | 0.400 | 2.00 | 1 | 03/26/2022 00:37 | WG1836722 |
| Lead | 13.6 | | 0.208 | 0.500 | 1 | 03/26/2022 00:37 | WG1836722 |
| Nickel | 17.9 | | 0.132 | 2.00 | 1 | 03/26/2022 00:37 | WG1836722 |
| Selenium | U | | 0.764 | 2.00 | 1 | 03/26/2022 00:37 | WG1836722 |
| Silver | U | | 0.127 | 1.00 | 1 | 03/26/2022 00:37 | WG1836722 |
| Zinc | 52.5 | | 0.832 | 5.00 | 1 | 03/26/2022 00:37 | WG1836722 |

Metals (ICP) by Method 6010B-NE493 Ch 2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|----------------------|-------------|-----------|----------|----------|----------|----------------------|---------------------------|
| Hot Water Sol. Boron | 0.381 | | 0.0167 | 0.200 | 1 | 03/29/2022 19:22 | WG1839830 |

Metals (ICPMS) by Method 6020

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Arsenic | 17.7 | | 0.100 | 1.00 | 5 | 03/25/2022 16:06 | WG1836721 |

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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|--|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 6.87 | | 0.0217 | 0.100 | 1 | 03/24/2022 16:04 | WG1837412 |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 93.9 | | | 77.0-120 | | 03/24/2022 16:04 | WG1837412 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|-----------------|-----------|--------------|--------------|----------|-------------------------|---------------------------|
| Benzene | 0.00171 | <u>B</u> | 0.000467 | 0.00100 | 1 | 03/27/2022 18:01 | WG1838651 |
| Toluene | 0.0580 | | 0.00130 | 0.00500 | 1 | 03/27/2022 18:01 | WG1838651 |
| Ethylbenzene | 0.0217 | | 0.000737 | 0.00250 | 1 | 03/27/2022 18:01 | WG1838651 |
| Xylenes, Total | 1.87 | | 0.000880 | 0.00650 | 1 | 03/27/2022 18:01 | WG1838651 |
| Naphthalene | 0.0722 | <u>J3</u> | 0.00488 | 0.0125 | 1 | 03/27/2022 18:01 | WG1838651 |
| 1,2,4-Trimethylbenzene | 0.780 | | 0.00158 | 0.00500 | 1 | 03/27/2022 18:01 | WG1838651 |
| 1,3,5-Trimethylbenzene | 0.718 | | 0.00200 | 0.00500 | 1 | 03/27/2022 18:01 | WG1838651 |
| (S) Toluene-d8 | 103 | | | 75.0-131 | | 03/27/2022 18:01 | WG1838651 |
| (S) 4-Bromofluorobenzene | 115 | | | 67.0-138 | | 03/27/2022 18:01 | WG1838651 |
| (S) 1,2-Dichloroethane-d4 | 91.0 | | | 70.0-130 | | 03/27/2022 18:01 | WG1838651 |

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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|-------------------------|-----------------|-----------|--------------|--------------|----------|-------------------------|---------------------------|
| C10-C28 Diesel Range | 35.2 | | 1.61 | 4.00 | 1 | 03/29/2022 14:59 | WG1839734 |
| C28-C36 Motor Oil Range | 58.2 | | 0.274 | 4.00 | 1 | 03/29/2022 14:59 | WG1839734 |
| (S) o-Terphenyl | 37.1 | | | 18.0-148 | | 03/29/2022 14:59 | WG1839734 |

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------|-----------|--------------|--------------|----------|-------------------------|---------------------------|
| Anthracene | U | | 0.00230 | 0.00600 | 1 | 03/30/2022 04:09 | WG1840014 |
| Acenaphthene | U | | 0.00209 | 0.00600 | 1 | 03/30/2022 04:09 | WG1840014 |
| Acenaphthylene | U | | 0.00216 | 0.00600 | 1 | 03/30/2022 04:09 | WG1840014 |
| Benzo(a)anthracene | U | | 0.00173 | 0.00600 | 1 | 03/30/2022 04:09 | WG1840014 |
| Benzo(a)pyrene | U | | 0.00179 | 0.00600 | 1 | 03/30/2022 04:09 | WG1840014 |
| Benzo(b)fluoranthene | U | | 0.00153 | 0.00600 | 1 | 03/30/2022 04:09 | WG1840014 |
| Benzo(g,h,i)perylene | U | | 0.00177 | 0.00600 | 1 | 03/30/2022 04:09 | WG1840014 |
| Benzo(k)fluoranthene | U | | 0.00215 | 0.00600 | 1 | 03/30/2022 04:09 | WG1840014 |
| Chrysene | U | | 0.00232 | 0.00600 | 1 | 03/30/2022 04:09 | WG1840014 |
| Dibenz(a,h)anthracene | U | | 0.00172 | 0.00600 | 1 | 03/30/2022 04:09 | WG1840014 |
| Fluoranthene | U | | 0.00227 | 0.00600 | 1 | 03/30/2022 04:09 | WG1840014 |
| Fluorene | 0.00336 | <u>J</u> | 0.00205 | 0.00600 | 1 | 03/30/2022 04:09 | WG1840014 |
| Indeno(1,2,3-cd)pyrene | U | | 0.00181 | 0.00600 | 1 | 03/30/2022 04:09 | WG1840014 |
| Naphthalene | 0.0462 | | 0.00408 | 0.0200 | 1 | 03/30/2022 04:09 | WG1840014 |
| Phenanthrene | U | | 0.00231 | 0.00600 | 1 | 03/30/2022 04:09 | WG1840014 |
| Pyrene | U | | 0.00200 | 0.00600 | 1 | 03/30/2022 04:09 | WG1840014 |
| 1-Methylnaphthalene | 0.0442 | | 0.00449 | 0.0200 | 1 | 03/30/2022 04:09 | WG1840014 |
| 2-Methylnaphthalene | 0.122 | | 0.00427 | 0.0200 | 1 | 03/30/2022 04:09 | WG1840014 |
| 2-Chloronaphthalene | U | | 0.00466 | 0.0200 | 1 | 03/30/2022 04:09 | WG1840014 |
| (S) p-Terphenyl-d14 | 65.6 | | | 23.0-120 | | 03/30/2022 04:09 | WG1840014 |
| (S) Nitrobenzene-d5 | 92.6 | | | 14.0-149 | | 03/30/2022 04:09 | WG1840014 |
| (S) 2-Fluorobiphenyl | 63.4 | | | 34.0-125 | | 03/30/2022 04:09 | WG1840014 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 0.353 | | 1 | 03/26/2022 14:10 | WG1837455 |

Wet Chemistry by Method 7199

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Hexavalent Chromium | U | | 0.255 | 1.00 | 1 | 03/28/2022 17:01 | WG1839107 |

Wet Chemistry by Method 9045D

| Analyte | Result su | Qualifier | Dilution | Analysis date / time | Batch |
|---------|-----------|--------------------|----------|----------------------|---------------------------|
| pH | 7.99 | T8 | 1 | 03/25/2022 13:00 | WG1838205 |

Sample Narrative:

L1474259-02 WG1838205: 7.99 at 19.8C

Wet Chemistry by Method 9050AMod

| Analyte | Result umhos/cm | Qualifier | RDL umhos/cm | Dilution | Analysis date / time | Batch |
|----------------------|-----------------|-----------|--------------|----------|----------------------|---------------------------|
| Specific Conductance | 1350 | | 10.0 | 1 | 03/24/2022 08:31 | WG1837386 |

Sample Narrative:

L1474259-02 WG1837386: at 25C

Metals (ICP) by Method 6010B

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------|-------------------|-----------|-----------|----------|----------------------|---------------------------|
| Barium | 260 | | 0.0852 | 0.500 | 1 | 03/26/2022 00:40 | WG1836722 |
| Cadmium | 0.320 | J | 0.0471 | 0.500 | 1 | 03/26/2022 00:40 | WG1836722 |
| Copper | 25.6 | | 0.400 | 2.00 | 1 | 03/26/2022 00:40 | WG1836722 |
| Lead | 12.7 | | 0.208 | 0.500 | 1 | 03/26/2022 00:40 | WG1836722 |
| Nickel | 17.5 | | 0.132 | 2.00 | 1 | 03/26/2022 00:40 | WG1836722 |
| Selenium | U | | 0.764 | 2.00 | 1 | 03/26/2022 00:40 | WG1836722 |
| Silver | U | | 0.127 | 1.00 | 1 | 03/26/2022 00:40 | WG1836722 |
| Zinc | 44.8 | | 0.832 | 5.00 | 1 | 03/26/2022 00:40 | WG1836722 |

Metals (ICP) by Method 6010B-NE493 Ch 2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|----------------------|-------------|-----------|----------|----------|----------|----------------------|---------------------------|
| Hot Water Sol. Boron | 0.648 | | 0.0167 | 0.200 | 1 | 03/29/2022 19:24 | WG1839830 |

Metals (ICPMS) by Method 6020

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Arsenic | 14.0 | | 0.100 | 1.00 | 5 | 03/25/2022 16:10 | WG1836721 |

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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|--|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.561 | | 0.0217 | 0.100 | 1 | 03/24/2022 16:25 | WG1837412 |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 101 | | | 77.0-120 | | 03/24/2022 16:25 | WG1837412 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|-----------------|--------------------|--------------|--------------|----------|-------------------------|---------------------------|
| Benzene | 0.000825 | BJ | 0.000467 | 0.00100 | 1 | 03/27/2022 18:20 | WG1838651 |
| Toluene | 0.00520 | | 0.00130 | 0.00500 | 1 | 03/27/2022 18:20 | WG1838651 |
| Ethylbenzene | 0.00107 | J | 0.000737 | 0.00250 | 1 | 03/27/2022 18:20 | WG1838651 |
| Xylenes, Total | 0.0547 | | 0.000880 | 0.00650 | 1 | 03/27/2022 18:20 | WG1838651 |
| Naphthalene | U | J3 | 0.00488 | 0.0125 | 1 | 03/27/2022 18:20 | WG1838651 |
| 1,2,4-Trimethylbenzene | 0.0114 | | 0.00158 | 0.00500 | 1 | 03/27/2022 18:20 | WG1838651 |
| 1,3,5-Trimethylbenzene | 0.177 | | 0.00200 | 0.00500 | 1 | 03/27/2022 18:20 | WG1838651 |
| (S) Toluene-d8 | 99.7 | | | 75.0-131 | | 03/27/2022 18:20 | WG1838651 |
| (S) 4-Bromofluorobenzene | 95.2 | | | 67.0-138 | | 03/27/2022 18:20 | WG1838651 |
| (S) 1,2-Dichloroethane-d4 | 94.6 | | | 70.0-130 | | 03/27/2022 18:20 | WG1838651 |

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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|-------------------------|-----------------|-----------|--------------|--------------|----------|-------------------------|---------------------------|
| C10-C28 Diesel Range | 15.9 | | 1.61 | 4.00 | 1 | 03/29/2022 14:46 | WG1839734 |
| C28-C36 Motor Oil Range | 35.0 | | 0.274 | 4.00 | 1 | 03/29/2022 14:46 | WG1839734 |
| (S) o-Terphenyl | 42.8 | | | 18.0-148 | | 03/29/2022 14:46 | WG1839734 |

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------|-------------------|--------------|--------------|----------|-------------------------|---------------------------|
| Anthracene | U | | 0.00230 | 0.00600 | 1 | 03/30/2022 18:29 | WG1840014 |
| Acenaphthene | U | | 0.00209 | 0.00600 | 1 | 03/30/2022 18:29 | WG1840014 |
| Acenaphthylene | U | | 0.00216 | 0.00600 | 1 | 03/30/2022 18:29 | WG1840014 |
| Benzo(a)anthracene | U | | 0.00173 | 0.00600 | 1 | 03/30/2022 18:29 | WG1840014 |
| Benzo(a)pyrene | U | | 0.00179 | 0.00600 | 1 | 03/30/2022 18:29 | WG1840014 |
| Benzo(b)fluoranthene | U | | 0.00153 | 0.00600 | 1 | 03/30/2022 18:29 | WG1840014 |
| Benzo(g,h,i)perylene | U | | 0.00177 | 0.00600 | 1 | 03/30/2022 18:29 | WG1840014 |
| Benzo(k)fluoranthene | U | | 0.00215 | 0.00600 | 1 | 03/30/2022 18:29 | WG1840014 |
| Chrysene | U | | 0.00232 | 0.00600 | 1 | 03/30/2022 18:29 | WG1840014 |
| Dibenz(a,h)anthracene | U | | 0.00172 | 0.00600 | 1 | 03/30/2022 18:29 | WG1840014 |
| Fluoranthene | U | | 0.00227 | 0.00600 | 1 | 03/30/2022 18:29 | WG1840014 |
| Fluorene | U | | 0.00205 | 0.00600 | 1 | 03/30/2022 18:29 | WG1840014 |
| Indeno(1,2,3-cd)pyrene | U | | 0.00181 | 0.00600 | 1 | 03/30/2022 18:29 | WG1840014 |
| Naphthalene | 0.00424 | J | 0.00408 | 0.0200 | 1 | 03/30/2022 18:29 | WG1840014 |
| Phenanthrene | U | | 0.00231 | 0.00600 | 1 | 03/30/2022 18:29 | WG1840014 |
| Pyrene | U | | 0.00200 | 0.00600 | 1 | 03/30/2022 18:29 | WG1840014 |
| 1-Methylnaphthalene | 0.0127 | J | 0.00449 | 0.0200 | 1 | 03/30/2022 18:29 | WG1840014 |
| 2-Methylnaphthalene | 0.00915 | J | 0.00427 | 0.0200 | 1 | 03/30/2022 18:29 | WG1840014 |
| 2-Chloronaphthalene | U | | 0.00466 | 0.0200 | 1 | 03/30/2022 18:29 | WG1840014 |
| (S) p-Terphenyl-d14 | 75.6 | | | 23.0-120 | | 03/30/2022 18:29 | WG1840014 |
| (S) Nitrobenzene-d5 | 73.2 | | | 14.0-149 | | 03/30/2022 18:29 | WG1840014 |
| (S) 2-Fluorobiphenyl | 59.9 | | | 34.0-125 | | 03/30/2022 18:29 | WG1840014 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 0.465 | | 1 | 03/26/2022 14:13 | WG1837455 |

Wet Chemistry by Method 7199

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Hexavalent Chromium | U | | 0.255 | 1.00 | 1 | 03/28/2022 17:07 | WG1839107 |

Wet Chemistry by Method 9045D

| Analyte | Result su | Qualifier | Dilution | Analysis date / time | Batch |
|---------|-----------|--------------------|----------|----------------------|---------------------------|
| pH | 7.85 | T8 | 1 | 03/25/2022 13:00 | WG1838205 |

Sample Narrative:

L1474259-03 WG1838205: 7.85 at 19.7C

Wet Chemistry by Method 9050AMod

| Analyte | Result umhos/cm | Qualifier | RDL umhos/cm | Dilution | Analysis date / time | Batch |
|----------------------|-----------------|-----------|--------------|----------|----------------------|---------------------------|
| Specific Conductance | 950 | | 10.0 | 1 | 03/24/2022 08:31 | WG1837386 |

Sample Narrative:

L1474259-03 WG1837386: at 25C

Metals (ICP) by Method 6010B

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------|-------------------|-----------|-----------|----------|----------------------|---------------------------|
| Barium | 211 | | 0.0852 | 0.500 | 1 | 03/26/2022 00:44 | WG1836722 |
| Cadmium | 0.374 | J | 0.0471 | 0.500 | 1 | 03/26/2022 00:44 | WG1836722 |
| Copper | 25.0 | | 0.400 | 2.00 | 1 | 03/26/2022 00:44 | WG1836722 |
| Lead | 12.2 | | 0.208 | 0.500 | 1 | 03/26/2022 00:44 | WG1836722 |
| Nickel | 14.0 | | 0.132 | 2.00 | 1 | 03/26/2022 00:44 | WG1836722 |
| Selenium | U | | 0.764 | 2.00 | 1 | 03/26/2022 00:44 | WG1836722 |
| Silver | U | | 0.127 | 1.00 | 1 | 03/26/2022 00:44 | WG1836722 |
| Zinc | 41.7 | | 0.832 | 5.00 | 1 | 03/26/2022 00:44 | WG1836722 |

Metals (ICP) by Method 6010B-NE493 Ch 2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|----------------------|-------------|-----------|----------|----------|----------|----------------------|---------------------------|
| Hot Water Sol. Boron | 0.647 | | 0.0167 | 0.200 | 1 | 03/29/2022 19:27 | WG1839830 |

Metals (ICPMS) by Method 6020

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Arsenic | 13.9 | | 0.100 | 1.00 | 5 | 03/25/2022 16:13 | WG1836721 |

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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|--|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.709 | | 0.0217 | 0.100 | 1 | 03/24/2022 16:47 | WG1837412 |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 105 | | | 77.0-120 | | 03/24/2022 16:47 | WG1837412 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

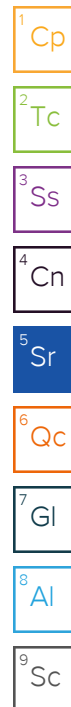
| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|-----------------|--------------------|--------------|--------------|----------|-------------------------|---------------------------|
| Benzene | 0.000900 | BJ | 0.000467 | 0.00100 | 1 | 03/27/2022 18:39 | WG1838651 |
| Toluene | 0.00693 | | 0.00130 | 0.00500 | 1 | 03/27/2022 18:39 | WG1838651 |
| Ethylbenzene | 0.00193 | J | 0.000737 | 0.00250 | 1 | 03/27/2022 18:39 | WG1838651 |
| Xylenes, Total | 0.0371 | | 0.000880 | 0.00650 | 1 | 03/27/2022 18:39 | WG1838651 |
| Naphthalene | U | J3 | 0.00488 | 0.0125 | 1 | 03/27/2022 18:39 | WG1838651 |
| 1,2,4-Trimethylbenzene | 0.00470 | J | 0.00158 | 0.00500 | 1 | 03/27/2022 18:39 | WG1838651 |
| 1,3,5-Trimethylbenzene | 0.217 | | 0.00200 | 0.00500 | 1 | 03/27/2022 18:39 | WG1838651 |
| (S) Toluene-d8 | 102 | | | 75.0-131 | | 03/27/2022 18:39 | WG1838651 |
| (S) 4-Bromofluorobenzene | 98.1 | | | 67.0-138 | | 03/27/2022 18:39 | WG1838651 |
| (S) 1,2-Dichloroethane-d4 | 93.6 | | | 70.0-130 | | 03/27/2022 18:39 | WG1838651 |

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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|-------------------------|-----------------|-----------------------|--------------|--------------|----------|-------------------------|---------------------------|
| C10-C28 Diesel Range | 71.7 | J3 J6 | 1.61 | 4.00 | 1 | 03/29/2022 15:12 | WG1839734 |
| C28-C36 Motor Oil Range | 153 | | 1.37 | 20.0 | 5 | 03/30/2022 03:58 | WG1839734 |
| (S) o-Terphenyl | 53.7 | | | 18.0-148 | | 03/29/2022 15:12 | WG1839734 |
| (S) o-Terphenyl | 88.6 | | | 18.0-148 | | 03/30/2022 03:58 | WG1839734 |

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------|-----------|--------------|--------------|----------|-------------------------|---------------------------|
| Anthracene | U | | 0.00230 | 0.00600 | 1 | 03/30/2022 19:03 | WG1840014 |
| Acenaphthene | U | | 0.00209 | 0.00600 | 1 | 03/30/2022 19:03 | WG1840014 |
| Acenaphthylene | U | | 0.00216 | 0.00600 | 1 | 03/30/2022 19:03 | WG1840014 |
| Benzo(a)anthracene | U | | 0.00173 | 0.00600 | 1 | 03/30/2022 19:03 | WG1840014 |
| Benzo(a)pyrene | U | | 0.00179 | 0.00600 | 1 | 03/30/2022 19:03 | WG1840014 |
| Benzo(b)fluoranthene | U | | 0.00153 | 0.00600 | 1 | 03/30/2022 19:03 | WG1840014 |
| Benzo(g,h,i)perylene | U | | 0.00177 | 0.00600 | 1 | 03/30/2022 19:03 | WG1840014 |
| Benzo(k)fluoranthene | U | | 0.00215 | 0.00600 | 1 | 03/30/2022 19:03 | WG1840014 |
| Chrysene | U | | 0.00232 | 0.00600 | 1 | 03/30/2022 19:03 | WG1840014 |
| Dibenz(a,h)anthracene | U | | 0.00172 | 0.00600 | 1 | 03/30/2022 19:03 | WG1840014 |
| Fluoranthene | U | | 0.00227 | 0.00600 | 1 | 03/30/2022 19:03 | WG1840014 |
| Fluorene | U | | 0.00205 | 0.00600 | 1 | 03/30/2022 19:03 | WG1840014 |
| Indeno(1,2,3-cd)pyrene | U | | 0.00181 | 0.00600 | 1 | 03/30/2022 19:03 | WG1840014 |
| Naphthalene | U | | 0.00408 | 0.0200 | 1 | 03/30/2022 19:03 | WG1840014 |
| Phenanthrene | U | | 0.00231 | 0.00600 | 1 | 03/30/2022 19:03 | WG1840014 |
| Pyrene | U | | 0.00200 | 0.00600 | 1 | 03/30/2022 19:03 | WG1840014 |
| 1-Methylnaphthalene | U | | 0.00449 | 0.0200 | 1 | 03/30/2022 19:03 | WG1840014 |
| 2-Methylnaphthalene | U | | 0.00427 | 0.0200 | 1 | 03/30/2022 19:03 | WG1840014 |
| 2-Chloronaphthalene | U | | 0.00466 | 0.0200 | 1 | 03/30/2022 19:03 | WG1840014 |
| (S) p-Terphenyl-d14 | 72.2 | | | 23.0-120 | | 03/30/2022 19:03 | WG1840014 |
| (S) Nitrobenzene-d5 | 65.8 | | | 14.0-149 | | 03/30/2022 19:03 | WG1840014 |
| (S) 2-Fluorobiphenyl | 60.8 | | | 34.0-125 | | 03/30/2022 19:03 | WG1840014 |



Calculated Results

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 0.450 | | 1 | 03/26/2022 14:15 | WG1837455 |

Wet Chemistry by Method 7199

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Hexavalent Chromium | U | | 0.255 | 1.00 | 1 | 03/28/2022 17:12 | WG1839107 |

Wet Chemistry by Method 9045D

| Analyte | Result su | Qualifier | Dilution | Analysis date / time | Batch |
|---------|-----------|--------------------|----------|----------------------|---------------------------|
| pH | 7.97 | T8 | 1 | 03/25/2022 13:00 | WG1838205 |

Sample Narrative:

L1474259-04 WG1838205: 7.97 at 19.8C

Wet Chemistry by Method 9050AMod

| Analyte | Result umhos/cm | Qualifier | RDL umhos/cm | Dilution | Analysis date / time | Batch |
|----------------------|-----------------|-----------|--------------|----------|----------------------|---------------------------|
| Specific Conductance | 942 | | 10.0 | 1 | 03/24/2022 08:31 | WG1837386 |

Sample Narrative:

L1474259-04 WG1837386: at 25C

Metals (ICP) by Method 6010B

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------|-------------------|-----------|-----------|----------|----------------------|---------------------------|
| Barium | 165 | | 0.0852 | 0.500 | 1 | 03/26/2022 00:47 | WG1836722 |
| Cadmium | 0.439 | J | 0.0471 | 0.500 | 1 | 03/26/2022 00:47 | WG1836722 |
| Copper | 26.6 | | 0.400 | 2.00 | 1 | 03/26/2022 00:47 | WG1836722 |
| Lead | 12.8 | | 0.208 | 0.500 | 1 | 03/26/2022 00:47 | WG1836722 |
| Nickel | 32.8 | | 0.132 | 2.00 | 1 | 03/26/2022 00:47 | WG1836722 |
| Selenium | U | | 0.764 | 2.00 | 1 | 03/26/2022 00:47 | WG1836722 |
| Silver | U | | 0.127 | 1.00 | 1 | 03/26/2022 00:47 | WG1836722 |
| Zinc | 65.8 | | 0.832 | 5.00 | 1 | 03/26/2022 00:47 | WG1836722 |

Metals (ICP) by Method 6010B-NE493 Ch 2

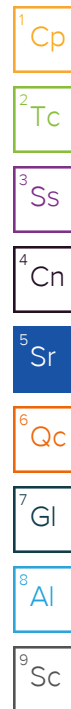
| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|----------------------|-------------|-----------|----------|----------|----------|----------------------|---------------------------|
| Hot Water Sol. Boron | 0.563 | | 0.0167 | 0.200 | 1 | 03/29/2022 19:30 | WG1839830 |

Metals (ICPMS) by Method 6020

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Arsenic | 9.20 | | 0.100 | 1.00 | 5 | 03/25/2022 16:16 | WG1836721 |

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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|--|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.450 | | 0.0217 | 0.100 | 1 | 03/24/2022 17:08 | WG1837412 |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 102 | | | 77.0-120 | | 03/24/2022 17:08 | WG1837412 |



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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|-----------------|--------------------|--------------|--------------|----------|-------------------------|---------------------------|
| Benzene | 0.000575 | BJ | 0.000467 | 0.00100 | 1 | 03/27/2022 18:59 | WG1838651 |
| Toluene | 0.00623 | | 0.00130 | 0.00500 | 1 | 03/27/2022 18:59 | WG1838651 |
| Ethylbenzene | 0.00145 | J | 0.000737 | 0.00250 | 1 | 03/27/2022 18:59 | WG1838651 |
| Xylenes, Total | 0.0344 | | 0.000880 | 0.00650 | 1 | 03/27/2022 18:59 | WG1838651 |
| Naphthalene | U | J3 | 0.00488 | 0.0125 | 1 | 03/27/2022 18:59 | WG1838651 |
| 1,2,4-Trimethylbenzene | 0.00313 | J | 0.00158 | 0.00500 | 1 | 03/27/2022 18:59 | WG1838651 |
| 1,3,5-Trimethylbenzene | 0.145 | | 0.00200 | 0.00500 | 1 | 03/27/2022 18:59 | WG1838651 |
| (S) Toluene-d8 | 101 | | | 75.0-131 | | 03/27/2022 18:59 | WG1838651 |
| (S) 4-Bromofluorobenzene | 96.6 | | | 67.0-138 | | 03/27/2022 18:59 | WG1838651 |
| (S) 1,2-Dichloroethane-d4 | 96.8 | | | 70.0-130 | | 03/27/2022 18:59 | WG1838651 |

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

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|-------------------------|-----------------|-----------|--------------|--------------|----------|-------------------------|---------------------------|
| C10-C28 Diesel Range | 75.7 | | 8.05 | 20.0 | 5 | 03/29/2022 16:16 | WG1839734 |
| C28-C36 Motor Oil Range | 196 | | 1.37 | 20.0 | 5 | 03/29/2022 16:16 | WG1839734 |
| (S) o-Terphenyl | 59.5 | | | 18.0-148 | | 03/29/2022 16:16 | WG1839734 |

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

| Analyte | Result mg/kg | Qualifier | MDL mg/kg | RDL mg/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------|-----------|--------------|--------------|----------|-------------------------|---------------------------|
| Anthracene | U | | 0.00230 | 0.00600 | 1 | 03/30/2022 18:46 | WG1840014 |
| Acenaphthene | U | | 0.00209 | 0.00600 | 1 | 03/30/2022 18:46 | WG1840014 |
| Acenaphthylene | U | | 0.00216 | 0.00600 | 1 | 03/30/2022 18:46 | WG1840014 |
| Benzo(a)anthracene | U | | 0.00173 | 0.00600 | 1 | 03/30/2022 18:46 | WG1840014 |
| Benzo(a)pyrene | U | | 0.00179 | 0.00600 | 1 | 03/30/2022 18:46 | WG1840014 |
| Benzo(b)fluoranthene | U | | 0.00153 | 0.00600 | 1 | 03/30/2022 18:46 | WG1840014 |
| Benzo(g,h,i)perylene | U | | 0.00177 | 0.00600 | 1 | 03/30/2022 18:46 | WG1840014 |
| Benzo(k)fluoranthene | U | | 0.00215 | 0.00600 | 1 | 03/30/2022 18:46 | WG1840014 |
| Chrysene | U | | 0.00232 | 0.00600 | 1 | 03/30/2022 18:46 | WG1840014 |
| Dibenz(a,h)anthracene | U | | 0.00172 | 0.00600 | 1 | 03/30/2022 18:46 | WG1840014 |
| Fluoranthene | U | | 0.00227 | 0.00600 | 1 | 03/30/2022 18:46 | WG1840014 |
| Fluorene | U | | 0.00205 | 0.00600 | 1 | 03/30/2022 18:46 | WG1840014 |
| Indeno(1,2,3-cd)pyrene | U | | 0.00181 | 0.00600 | 1 | 03/30/2022 18:46 | WG1840014 |
| Naphthalene | U | | 0.00408 | 0.0200 | 1 | 03/30/2022 18:46 | WG1840014 |
| Phenanthrene | U | | 0.00231 | 0.00600 | 1 | 03/30/2022 18:46 | WG1840014 |
| Pyrene | U | | 0.00200 | 0.00600 | 1 | 03/30/2022 18:46 | WG1840014 |
| 1-Methylnaphthalene | U | | 0.00449 | 0.0200 | 1 | 03/30/2022 18:46 | WG1840014 |
| 2-Methylnaphthalene | U | | 0.00427 | 0.0200 | 1 | 03/30/2022 18:46 | WG1840014 |
| 2-Chloronaphthalene | U | | 0.00466 | 0.0200 | 1 | 03/30/2022 18:46 | WG1840014 |
| (S) p-Terphenyl-d14 | 86.6 | | | 23.0-120 | | 03/30/2022 18:46 | WG1840014 |
| (S) Nitrobenzene-d5 | 70.2 | | | 14.0-149 | | 03/30/2022 18:46 | WG1840014 |
| (S) 2-Fluorobiphenyl | 66.3 | | | 34.0-125 | | 03/30/2022 18:46 | WG1840014 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3775144-1 03/28/22 16:41

| | MB Result | MB Qualifier | MB MDL | MB RDL |
|---------------------|-----------|--------------|--------|--------|
| Analyte | mg/kg | | mg/kg | mg/kg |
| Hexavalent Chromium | U | | 0.255 | 1.00 |

L1474259-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1474259-01 03/28/22 16:51 • (DUP) R3775144-3 03/28/22 16:56

| | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/kg | mg/kg | | % | | % |
| Hexavalent Chromium | U | U | 1 | 0.000 | | 20 |

L1474452-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1474452-01 03/28/22 19:11 • (DUP) R3775144-8 03/28/22 19:16

| | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/kg | mg/kg | | % | | % |
| Hexavalent Chromium | U | U | 1 | 0.000 | | 20 |

Laboratory Control Sample (LCS)

(LCS) R3775144-2 03/28/22 16:46

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------------------|--------------|------------|----------|-------------|---------------|
| Analyte | mg/kg | mg/kg | % | % | |
| Hexavalent Chromium | 10.0 | 9.55 | 95.5 | 80.0-120 | |

L1474450-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1474450-01 03/28/22 17:53 • (MS) R3775144-4 03/28/22 17:59 • (MSD) R3775144-5 03/28/22 18:04

| | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD | RPD Limits |
|---------------------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
| Analyte | mg/kg | mg/kg | mg/kg | mg/kg | % | % | | % | | | % | % |
| Hexavalent Chromium | 20.0 | 0.557 | 19.4 | 20.6 | 94.1 | 100 | 1 | 75.0-125 | | | 6.27 | 20 |

L1474450-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1474450-01 03/28/22 17:53 • (MS) R3775144-6 03/28/22 18:09

| | Spike Amount | Original Result | MS Result | MS Rec. | Dilution | Rec. Limits | MS Qualifier |
|---------------------|--------------|-----------------|-----------|---------|----------|-------------|--------------|
| Analyte | mg/kg | mg/kg | mg/kg | % | | % | |
| Hexavalent Chromium | 673 | 0.557 | 708 | 105 | 50 | 75.0-125 | |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1473396-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1473396-01 03/25/22 13:00 • (DUP) R3774071-2 03/25/22 13:00

| | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | su | su | | % | | % |
| pH | 7.84 | 7.78 | 1 | 0.768 | | 1 |

Sample Narrative:

OS: 7.84 at 20.1C

DUP: 7.78 at 20.2C

Laboratory Control Sample (LCS)

(LCS) R3774071-1 03/25/22 13:00

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------|--------------|------------|----------|-------------|---------------|
| Analyte | su | su | % | % | |
| pH | 10.0 | 9.94 | 99.4 | 99.0-101 | |

Sample Narrative:

LCS: 9.94 at 18.9C

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3773381-1 03/24/22 08:31

| 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

L1474145-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1474145-05 03/24/22 08:31 • (DUP) R3773381-3 03/24/22 08:31

| Analyte | Original Result umhos/cm | DUP Result umhos/cm | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------------------|-----------------------------|------------------------|----------|--------------|---------------|------------------------|
| Specific Conductance | 975 | 987 | 1 | 1.22 | | 20 |

Sample Narrative:

OS: at 25C

DUP: at 25C

L1474266-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1474266-02 03/24/22 08:31 • (DUP) R3773381-4 03/24/22 08:31

| Analyte | Original Result umhos/cm | DUP Result umhos/cm | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------------------|-----------------------------|------------------------|----------|--------------|---------------|------------------------|
| Specific Conductance | 416 | 385 | 1 | 7.74 | | 20 |

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R3773381-2 03/24/22 08:31

| Analyte | Spike Amount umhos/cm | LCS Result umhos/cm | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------|--------------------------|------------------------|---------------|------------------|---------------|
| Specific Conductance | 268 | 267 | 99.5 | 85.0-115 | |

Sample Narrative:

LCS: at 25C

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) R3774284-1 03/25/22 23:23

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|----------|--------------------|--------------|-----------------|-----------------|
| Barium | U | | 0.0852 | 0.500 |
| Cadmium | U | | 0.0471 | 0.500 |
| Copper | U | | 0.400 | 2.00 |
| Lead | U | | 0.208 | 0.500 |
| Nickel | U | | 0.132 | 2.00 |
| Selenium | U | | 0.764 | 2.00 |
| Silver | U | | 0.127 | 1.00 |
| Zinc | U | | 0.832 | 5.00 |

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Laboratory Control Sample (LCS)

(LCS) R3774284-2 03/25/22 23:25

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------|-----------------------|---------------------|---------------|------------------|---------------|
| Barium | 100 | 102 | 102 | 80.0-120 | |
| Cadmium | 100 | 98.8 | 98.8 | 80.0-120 | |
| Copper | 100 | 101 | 101 | 80.0-120 | |
| Lead | 100 | 97.4 | 97.4 | 80.0-120 | |
| Nickel | 100 | 99.3 | 99.3 | 80.0-120 | |
| Selenium | 100 | 100 | 100 | 80.0-120 | |
| Silver | 20.0 | 17.5 | 87.3 | 80.0-120 | |
| Zinc | 100 | 96.2 | 96.2 | 80.0-120 | |

L1473401-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1473401-02 03/25/22 23:29 • (MS) R3774284-5 03/25/22 23:38 • (MSD) R3774284-6 03/25/22 23:42

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|----------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Barium | 100 | 154 | 288 | 270 | 134 | 116 | 1 | 75.0-125 | J5 | | 6.46 | 20 |
| Cadmium | 100 | 0.240 | 112 | 105 | 112 | 105 | 1 | 75.0-125 | | | 6.49 | 20 |
| Copper | 100 | 22.3 | 141 | 137 | 119 | 114 | 1 | 75.0-125 | | | 3.19 | 20 |
| Lead | 100 | 8.56 | 117 | 110 | 109 | 102 | 1 | 75.0-125 | | | 6.38 | 20 |
| Nickel | 100 | 30.0 | 145 | 142 | 115 | 112 | 1 | 75.0-125 | | | 2.18 | 20 |
| Selenium | 100 | U | 113 | 106 | 113 | 106 | 1 | 75.0-125 | | | 6.60 | 20 |
| Silver | 20.0 | U | 20.3 | 18.9 | 101 | 94.7 | 1 | 75.0-125 | | | 6.72 | 20 |
| Zinc | 100 | 46.1 | 145 | 139 | 99.0 | 93.0 | 1 | 75.0-125 | | | 4.24 | 20 |

Method Blank (MB)

(MB) R3775423-1 03/29/22 19:13

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|----------------------|-------------------|--------------|----------------|----------------|
| Hot Water Sol. Boron | U | | 0.0167 | 0.200 |

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

(LCS) R3775423-2 03/29/22 19:16 • (LCSD) R3775423-3 03/29/22 19:19

| 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 % |
|----------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Hot Water Sol. Boron | 1.00 | 1.05 | 1.06 | 105 | 106 | 80.0-120 | | | 0.172 | 20 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3774133-1 03/25/22 14:41

| | MB Result | MB Qualifier | MB MDL | MB RDL |
|---------|-----------|--------------|--------|--------|
| Analyte | mg/kg | | mg/kg | mg/kg |
| Arsenic | U | | 0.100 | 1.00 |

Laboratory Control Sample (LCS)

(LCS) R3774133-2 03/25/22 14:44

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------|--------------|------------|----------|-------------|---------------|
| Analyte | mg/kg | mg/kg | % | % | |
| Arsenic | 100 | 104 | 104 | 80.0-120 | |

L1473401-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1473401-02 03/25/22 14:48 • (MS) R3774133-5 03/25/22 14:58 • (MSD) R3774133-6 03/25/22 15:01

| | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD | RPD Limits |
|---------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|-------|------------|
| Analyte | mg/kg | mg/kg | mg/kg | mg/kg | % | % | | % | | | % | % |
| Arsenic | 100 | 8.02 | 106 | 106 | 97.7 | 98.2 | 5 | 75.0-125 | | | 0.480 | 20 |

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R3773680-4 03/24/22 08:52

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction | U | | 0.0217 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 109 | | | 77.0-120 |

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

(LCS) R3773680-2 03/24/22 07:36 • (LCSD) R3773680-3 03/24/22 08:09

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCSD Result mg/kg | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|------------------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| TPH (GC/FID) Low Fraction | 5.50 | 5.43 | 5.55 | 98.7 | 101 | 72.0-127 | | | 2.19 | 20 |
| (S) a,a,a-Trifluorotoluene(FID) | | | | 99.0 | 98.4 | 77.0-120 | | | | |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3775260-3 03/27/22 15:27

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene | 0.000475 | J | 0.000467 | 0.00100 |
| Toluene | U | | 0.00130 | 0.00500 |
| Ethylbenzene | U | | 0.000737 | 0.00250 |
| Xylenes, Total | U | | 0.000880 | 0.00650 |
| Naphthalene | U | | 0.00488 | 0.0125 |
| 1,2,4-Trimethylbenzene | U | | 0.00158 | 0.00500 |
| 1,3,5-Trimethylbenzene | U | | 0.00200 | 0.00500 |
| (S) Toluene-d8 | 102 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 97.8 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 90.8 | | | 70.0-130 |

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

(LCS) R3775260-1 03/27/22 14:11 • (LCSD) R3775260-2 03/27/22 14:30

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCSD Result mg/kg | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Benzene | 0.125 | 0.119 | 0.114 | 95.2 | 91.2 | 70.0-123 | | | 4.29 | 20 |
| Toluene | 0.125 | 0.122 | 0.118 | 97.6 | 94.4 | 75.0-121 | | | 3.33 | 20 |
| Ethylbenzene | 0.125 | 0.130 | 0.128 | 104 | 102 | 74.0-126 | | | 1.55 | 20 |
| Xylenes, Total | 0.375 | 0.393 | 0.375 | 105 | 100 | 72.0-127 | | | 4.69 | 20 |
| Naphthalene | 0.125 | 0.119 | 0.154 | 95.2 | 123 | 59.0-130 | | J3 | 25.6 | 20 |
| 1,2,4-Trimethylbenzene | 0.125 | 0.131 | 0.141 | 105 | 113 | 70.0-126 | | | 7.35 | 20 |
| 1,3,5-Trimethylbenzene | 0.125 | 0.121 | 0.128 | 96.8 | 102 | 73.0-127 | | | 5.62 | 20 |
| (S) Toluene-d8 | | | | 97.6 | 101 | 75.0-131 | | | | |
| (S) 4-Bromofluorobenzene | | | | 96.0 | 97.1 | 67.0-138 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | 94.9 | 98.5 | 70.0-130 | | | | |

L1474145-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1474145-03 03/27/22 17:03 • (MS) R3775260-4 03/27/22 22:11 • (MSD) R3775260-5 03/27/22 22:30

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|------------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Benzene | 0.125 | 0.000550 | 0.126 | 0.137 | 100 | 109 | 1 | 10.0-149 | | | 8.37 | 37 |
| Toluene | 0.125 | U | 0.136 | 0.139 | 109 | 111 | 1 | 10.0-156 | | | 2.18 | 38 |
| Ethylbenzene | 0.125 | U | 0.140 | 0.146 | 112 | 117 | 1 | 10.0-160 | | | 4.20 | 38 |
| Xylenes, Total | 0.375 | U | 0.411 | 0.427 | 110 | 114 | 1 | 10.0-160 | | | 3.82 | 38 |
| Naphthalene | 0.125 | U | 0.185 | 0.181 | 148 | 145 | 1 | 10.0-160 | | | 2.19 | 36 |
| 1,2,4-Trimethylbenzene | 0.125 | 0.00428 | 0.155 | 0.150 | 121 | 117 | 1 | 10.0-160 | | | 3.28 | 36 |
| 1,3,5-Trimethylbenzene | 0.125 | 0.00238 | 0.145 | 0.145 | 114 | 114 | 1 | 10.0-160 | | | 0.000 | 38 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1474145-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1474145-03 03/27/22 17:03 • (MS) R3775260-4 03/27/22 22:11 • (MSD) R3775260-5 03/27/22 22:30

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | <u>MS Qualifier</u> | <u>MSD Qualifier</u> | RPD % | RPD Limits % |
|---------------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|---------------------|----------------------|----------|-----------------|
| (S) Toluene-d8 | | | | | 103 | 99.0 | | 75.0-131 | | | | |
| (S) 4-Bromofluorobenzene | | | | | 108 | 102 | | 67.0-138 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | | 98.7 | 98.2 | | 70.0-130 | | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3775141-1 03/29/22 09:46

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|-------------------------|--------------------|--------------|-----------------|-----------------|
| C10-C28 Diesel Range | U | | 1.61 | 4.00 |
| C28-C36 Motor Oil Range | 0.611 | J | 0.274 | 4.00 |
| (S) o-Terphenyl | 72.7 | | | 18.0-148 |

Laboratory Control Sample (LCS)

(LCS) R3775141-2 03/29/22 10:00

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0 | 33.5 | 67.0 | 50.0-150 | |
| (S) o-Terphenyl | | | 79.9 | 18.0-148 | |

L1474259-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1474259-03 03/29/22 15:12 • (MS) R3775387-1 03/29/22 15:24 • (MSD) R3775387-2 03/29/22 15:37

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|----------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| C10-C28 Diesel Range | 48.6 | 71.7 | 41.7 | 75.2 | 0.000 | 7.00 | 1 | 50.0-150 | J6 | J3 J6 | 57.3 | 20 |
| (S) o-Terphenyl | | | | | 43.7 | 53.9 | | 18.0-148 | | | | |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3775545-2 03/29/22 22:14

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------|--------------------|--------------|-----------------|-----------------|
| Anthracene | U | | 0.00230 | 0.00600 |
| Acenaphthene | U | | 0.00209 | 0.00600 |
| Acenaphthylene | U | | 0.00216 | 0.00600 |
| Benzo(a)anthracene | U | | 0.00173 | 0.00600 |
| Benzo(a)pyrene | U | | 0.00179 | 0.00600 |
| Benzo(b)fluoranthene | U | | 0.00153 | 0.00600 |
| Benzo(g,h,i)perylene | U | | 0.00177 | 0.00600 |
| Benzo(k)fluoranthene | U | | 0.00215 | 0.00600 |
| Chrysene | U | | 0.00232 | 0.00600 |
| Dibenz(a,h)anthracene | U | | 0.00172 | 0.00600 |
| Fluoranthene | U | | 0.00227 | 0.00600 |
| Fluorene | U | | 0.00205 | 0.00600 |
| Indeno(1,2,3-cd)pyrene | U | | 0.00181 | 0.00600 |
| Naphthalene | U | | 0.00408 | 0.0200 |
| Phenanthrene | U | | 0.00231 | 0.00600 |
| Pyrene | U | | 0.00200 | 0.00600 |
| 1-Methylnaphthalene | U | | 0.00449 | 0.0200 |
| 2-Methylnaphthalene | U | | 0.00427 | 0.0200 |
| 2-Chloronaphthalene | U | | 0.00466 | 0.0200 |
| (S) p-Terphenyl-d14 | 95.9 | | | 23.0-120 |
| (S) Nitrobenzene-d5 | 77.5 | | | 14.0-149 |
| (S) 2-Fluorobiphenyl | 84.2 | | | 34.0-125 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3775545-1 03/29/22 21:56

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|-----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Anthracene | 0.0800 | 0.0618 | 77.3 | 50.0-126 | |
| Acenaphthene | 0.0800 | 0.0628 | 78.5 | 50.0-120 | |
| Acenaphthylene | 0.0800 | 0.0628 | 78.5 | 50.0-120 | |
| Benzo(a)anthracene | 0.0800 | 0.0660 | 82.5 | 45.0-120 | |
| Benzo(a)pyrene | 0.0800 | 0.0520 | 65.0 | 42.0-120 | |
| Benzo(b)fluoranthene | 0.0800 | 0.0595 | 74.4 | 42.0-121 | |
| Benzo(g,h,i)perylene | 0.0800 | 0.0592 | 74.0 | 45.0-125 | |
| Benzo(k)fluoranthene | 0.0800 | 0.0604 | 75.5 | 49.0-125 | |
| Chrysene | 0.0800 | 0.0649 | 81.1 | 49.0-122 | |
| Dibenz(a,h)anthracene | 0.0800 | 0.0594 | 74.3 | 47.0-125 | |
| Fluoranthene | 0.0800 | 0.0678 | 84.8 | 49.0-129 | |

Laboratory Control Sample (LCS)

(LCS) R3775545-1 03/29/22 21:56

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | <u>LCS Qualifier</u> |
|------------------------|-----------------------|---------------------|---------------|------------------|----------------------|
| Fluorene | 0.0800 | 0.0627 | 78.4 | 49.0-120 | |
| Indeno(1,2,3-cd)pyrene | 0.0800 | 0.0646 | 80.7 | 46.0-125 | |
| Naphthalene | 0.0800 | 0.0578 | 72.3 | 50.0-120 | |
| Phenanthrene | 0.0800 | 0.0617 | 77.1 | 47.0-120 | |
| Pyrene | 0.0800 | 0.0708 | 88.5 | 43.0-123 | |
| 1-Methylnaphthalene | 0.0800 | 0.0634 | 79.3 | 51.0-121 | |
| 2-Methylnaphthalene | 0.0800 | 0.0645 | 80.6 | 50.0-120 | |
| 2-Chloronaphthalene | 0.0800 | 0.0593 | 74.1 | 50.0-120 | |
| (S) p-Terphenyl-d14 | | | 94.0 | 23.0-120 | |
| (S) Nitrobenzene-d5 | | | 80.7 | 14.0-149 | |
| (S) 2-Fluorobiphenyl | | | 85.9 | 34.0-125 | |

L1474449-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1474449-01 03/30/22 02:22 • (MS) R3775545-3 03/30/22 02:40 • (MSD) R3775545-4 03/30/22 02:58

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | <u>MS Qualifier</u> | <u>MSD Qualifier</u> | RPD % | RPD Limits % |
|------------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|---------------------|----------------------|----------|-----------------|
| Anthracene | 0.0800 | U | 0.0415 | 0.0320 | 51.9 | 40.0 | 1 | 10.0-145 | | | 25.9 | 30 |
| Acenaphthene | 0.0800 | U | 0.0440 | 0.0368 | 55.0 | 46.0 | 1 | 14.0-127 | | | 17.8 | 27 |
| Acenaphthylene | 0.0800 | U | 0.0420 | 0.0360 | 52.5 | 45.0 | 1 | 21.0-124 | | | 15.4 | 25 |
| Benzo(a)anthracene | 0.0800 | U | 0.0433 | 0.0341 | 54.1 | 42.6 | 1 | 10.0-139 | | | 23.8 | 30 |
| Benzo(a)pyrene | 0.0800 | U | 0.0485 | 0.0377 | 60.6 | 47.1 | 1 | 10.0-141 | | | 25.1 | 31 |
| Benzo(b)fluoranthene | 0.0800 | U | 0.0435 | 0.0321 | 54.4 | 40.1 | 1 | 10.0-140 | | | 30.2 | 36 |
| Benzo(g,h,i)perylene | 0.0800 | U | 0.0464 | 0.0364 | 58.0 | 45.5 | 1 | 10.0-140 | | | 24.2 | 33 |
| Benzo(k)fluoranthene | 0.0800 | U | 0.0454 | 0.0358 | 56.8 | 44.8 | 1 | 10.0-137 | | | 23.6 | 31 |
| Chrysene | 0.0800 | U | 0.0497 | 0.0396 | 62.1 | 49.5 | 1 | 10.0-145 | | | 22.6 | 30 |
| Dibenz(a,h)anthracene | 0.0800 | U | 0.0461 | 0.0366 | 57.6 | 45.8 | 1 | 10.0-132 | | | 23.0 | 31 |
| Fluoranthene | 0.0800 | U | 0.0443 | 0.0323 | 55.4 | 40.4 | 1 | 10.0-153 | | | 31.3 | 33 |
| Fluorene | 0.0800 | U | 0.0434 | 0.0344 | 54.3 | 43.0 | 1 | 11.0-130 | | | 23.1 | 29 |
| Indeno(1,2,3-cd)pyrene | 0.0800 | U | 0.0462 | 0.0352 | 57.8 | 44.0 | 1 | 10.0-137 | | | 27.0 | 32 |
| Naphthalene | 0.0800 | U | 0.0377 | 0.0388 | 47.1 | 48.5 | 1 | 10.0-135 | | | 2.88 | 27 |
| Phenanthrene | 0.0800 | U | 0.0431 | 0.0328 | 53.9 | 41.0 | 1 | 10.0-144 | | | 27.1 | 31 |
| Pyrene | 0.0800 | U | 0.0500 | 0.0365 | 62.5 | 45.6 | 1 | 10.0-148 | | | 31.2 | 35 |
| 1-Methylnaphthalene | 0.0800 | U | 0.0420 | 0.0396 | 52.5 | 49.5 | 1 | 10.0-142 | | | 5.88 | 28 |
| 2-Methylnaphthalene | 0.0800 | U | 0.0436 | 0.0410 | 54.5 | 51.3 | 1 | 10.0-137 | | | 6.15 | 28 |
| 2-Chloronaphthalene | 0.0800 | U | 0.0435 | 0.0370 | 54.4 | 46.3 | 1 | 29.0-120 | | | 16.1 | 24 |
| (S) p-Terphenyl-d14 | | | | | 74.7 | 74.0 | | 23.0-120 | | | | |
| (S) Nitrobenzene-d5 | | | | | 66.2 | 64.7 | | 14.0-149 | | | | |
| (S) 2-Fluorobiphenyl | | | | | 71.6 | 69.9 | | 34.0-125 | | | | |

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

| | |
|----|--|
| B | The same analyte is found in the associated blank. |
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
| J3 | The associated batch QC was outside the established quality control range for precision. |
| J5 | The sample matrix interfered with the ability to make any accurate determination; spike value is high. |
| J6 | The sample matrix interfered with the ability to make any accurate determination; spike value is low. |
| T8 | Sample(s) received past/too close to holding time expiration. |

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

ACCREDITATIONS & LOCATIONS

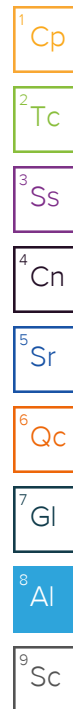
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

| | | | |
|--------------------------------|-------------|-----------------------------|------------------|
| 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.



Entrada Consulting Group

Sample Delivery Group: L1474266
Samples Received: 03/23/2022
Project Number: 697-16D BG
Description: 697-16D BG
Site: 697-16D
Report To: Stuart Hall
240 Mesa Avenue
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 National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

| | | |
|----------------------------------|----|-----------------|
| Cp: Cover Page | 1 | ¹ Cp |
| Tc: Table of Contents | 2 | |
| Ss: Sample Summary | 3 | ² Tc |
| Cn: Case Narrative | 4 | |
| Sr: Sample Results | 5 | ³ Ss |
| 697-16D BG W1 L1474266-01 | 5 | |
| 697-16D BG W7 L1474266-02 | 6 | ⁴ Cn |
| Qc: Quality Control Summary | 7 | ⁵ Sr |
| Wet Chemistry by Method 9045D | 7 | |
| Wet Chemistry by Method 9050AMod | 8 | ⁶ Qc |
| Metals (ICPMS) by Method 6020 | 9 | |
| Gl: Glossary of Terms | 10 | ⁷ Gl |
| Al: Accreditations & Locations | 11 | ⁸ Al |
| Sc: Sample Chain of Custody | 12 | ⁹ Sc |

SAMPLE SUMMARY

697-16D BG W1 L1474266-01 Solid

Collected by
Matt Kasten

Collected date/time
03/21/22 09:00

Received date/time
03/23/22 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|----------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results | WG1837459 | 1 | 03/30/22 10:36 | 03/30/22 10:36 | CCE | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D | WG1838205 | 1 | 03/25/22 09:00 | 03/25/22 13:00 | GI | Mt. Juliet, TN |
| Wet Chemistry by Method 9050AMod | WG1837386 | 1 | 03/24/22 05:16 | 03/24/22 08:31 | ARD | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020 | WG1837563 | 5 | 03/24/22 09:58 | 03/24/22 16:20 | LD | Mt. Juliet, TN |

¹Cp

²Tc

³Ss

⁴Cn

697-16D BG W7 L1474266-02 Solid

Collected by
Matt Kasten

Collected date/time
03/21/22 09:05

Received date/time
03/23/22 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|----------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results | WG1837459 | 1 | 03/30/22 10:39 | 03/30/22 10:39 | CCE | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D | WG1838205 | 1 | 03/25/22 09:00 | 03/25/22 13:00 | GI | Mt. Juliet, TN |
| Wet Chemistry by Method 9050AMod | WG1837386 | 1 | 03/24/22 05:16 | 03/24/22 08:31 | ARD | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020 | WG1837563 | 5 | 03/24/22 09:58 | 03/24/22 16:44 | LD | Mt. Juliet, TN |

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.



Chris Ward
Project Manager



Calculated Results

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 0.601 | | 1 | 03/30/2022 10:36 | WG1837459 |

Wet Chemistry by Method 9045D

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|---------|--------|--------------------|----------|----------------------|---------------------------|
| pH | 8.54 | T8 | 1 | 03/25/2022 13:00 | WG1838205 |

Sample Narrative:

L1474266-01 WG1838205: 8.54 at 20C

Wet Chemistry by Method 9050AMod

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------|----------|-----------|----------|----------|----------------------|---------------------------|
| Specific Conductance | umhos/cm | | umhos/cm | | | |
| Specific Conductance | 193 | | 10.0 | 1 | 03/24/2022 08:31 | WG1837386 |

Sample Narrative:

L1474266-01 WG1837386: at 25C

Metals (ICPMS) by Method 6020

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis date / time | Batch |
|---------|--------|-----------------------|-------|-------|----------|----------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | | |
| Arsenic | 19.6 | J6 O1 | 0.100 | 1.00 | 5 | 03/24/2022 16:20 | WG1837563 |

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Calculated Results

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 1.15 | | 1 | 03/30/2022 10:39 | WG1837459 |

Wet Chemistry by Method 9045D

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|---------|--------|--------------------|----------|----------------------|---------------------------|
| pH | 8.40 | T8 | 1 | 03/25/2022 13:00 | WG1838205 |

Sample Narrative:

L1474266-02 WG1838205: 8.4 at 20C

Wet Chemistry by Method 9050AMod

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------|----------|-----------|----------|----------|----------------------|---------------------------|
| Specific Conductance | umhos/cm | | umhos/cm | | | |
| | 416 | | 10.0 | 1 | 03/24/2022 08:31 | WG1837386 |

Sample Narrative:

L1474266-02 WG1837386: at 25C

Metals (ICPMS) by Method 6020

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis date / time | Batch |
|---------|--------|-----------|-------|-------|----------|----------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | | |
| Arsenic | 21.0 | | 0.100 | 1.00 | 5 | 03/24/2022 16:44 | WG1837563 |

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

L1473396-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1473396-01 03/25/22 13:00 • (DUP) R3774071-2 03/25/22 13:00

| | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte | su | su | | % | | % |
| pH | 7.84 | 7.78 | 1 | 0.768 | | 1 |

Sample Narrative:

OS: 7.84 at 20.1C

DUP: 7.78 at 20.2C

Laboratory Control Sample (LCS)

(LCS) R3774071-1 03/25/22 13:00

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | <u>LCS Qualifier</u> |
|---------|--------------|------------|----------|-------------|----------------------|
| Analyte | su | su | % | % | |
| pH | 10.0 | 9.94 | 99.4 | 99.0-101 | |

Sample Narrative:

LCS: 9.94 at 18.9C



Method Blank (MB)

(MB) R3773381-1 03/24/22 08:31

| 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

L1474145-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1474145-05 03/24/22 08:31 • (DUP) R3773381-3 03/24/22 08:31

| Analyte | Original Result umhos/cm | DUP Result umhos/cm | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------------------|-----------------------------|------------------------|----------|--------------|---------------|------------------------|
| Specific Conductance | 975 | 987 | 1 | 1.22 | | 20 |

Sample Narrative:

OS: at 25C

DUP: at 25C

L1474266-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1474266-02 03/24/22 08:31 • (DUP) R3773381-4 03/24/22 08:31

| Analyte | Original Result umhos/cm | DUP Result umhos/cm | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------------------|-----------------------------|------------------------|----------|--------------|---------------|------------------------|
| Specific Conductance | 416 | 385 | 1 | 7.74 | | 20 |

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R3773381-2 03/24/22 08:31

| Analyte | Spike Amount umhos/cm | LCS Result umhos/cm | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------|--------------------------|------------------------|---------------|------------------|---------------|
| Specific Conductance | 268 | 267 | 99.5 | 85.0-115 | |

Sample Narrative:

LCS: at 25C

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) R3773747-1 03/24/22 16:14

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------|--------------------|--------------|-----------------|-----------------|
| Arsenic | U | | 0.100 | 1.00 |

Laboratory Control Sample (LCS)

(LCS) R3773747-2 03/24/22 16:17

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---------|-----------------------|---------------------|---------------|------------------|---------------|
| Arsenic | 100 | 83.0 | 83.0 | 80.0-120 | |

L1474266-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1474266-01 03/24/22 16:20 • (MS) R3773747-5 03/24/22 16:30 • (MSD) R3773747-6 03/24/22 16:34

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Arsenic | 100 | 19.6 | 88.9 | 91.7 | 69.3 | 72.0 | 5 | 75.0-125 | J6 | J6 | 3.04 | 20 |

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

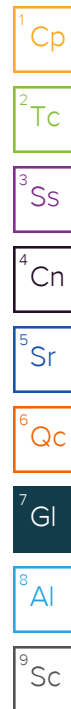
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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. |
| RDL | Reported Detection Limit. |
| Rec. | Recovery. |
| RPD | Relative Percent Difference. |
| SDG | Sample Delivery Group. |
| 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 |
|-----------|---|
| J6 | The sample matrix interfered with the ability to make any accurate determination; spike value is low. |
| O1 | The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference. |
| T8 | Sample(s) received past/too close to holding time expiration. |



ACCREDITATIONS & LOCATIONS

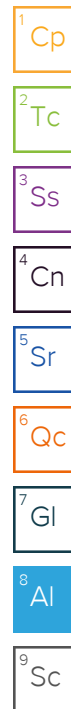
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

| | | | |
|--------------------------------|-------------|-----------------------------|------------------|
| 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.



Gravimetric Analysis by Method 2540 C-2011

| Analyte | Result mg/l | <u>Qualifier</u> | RDL mg/l | Dilution | Analysis date / time | <u>Batch</u> |
|------------------|----------------|------------------|-------------|----------|-------------------------|---------------------------|
| Dissolved Solids | 926 | | 20.0 | 1 | 04/20/2022 16:07 | WG1851397 |

Wet Chemistry by Method 9056A

| Analyte | Result mg/l | <u>Qualifier</u> | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | <u>Batch</u> |
|----------|----------------|------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Chloride | 79.3 | | 0.379 | 1.00 | 1 | 04/15/2022 17:01 | WG1849133 |
| Sulfate | 260 | | 5.94 | 50.0 | 10 | 04/15/2022 17:15 | WG1849133 |

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

| Analyte | Result mg/l | <u>Qualifier</u> | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | <u>Batch</u> |
|---------------------------|----------------|------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Benzene | U | | 0.0000941 | 0.00100 | 1 | 04/15/2022 21:43 | WG1849435 |
| Toluene | U | | 0.000278 | 0.00100 | 1 | 04/15/2022 21:43 | WG1849435 |
| Ethylbenzene | U | | 0.000137 | 0.00100 | 1 | 04/15/2022 21:43 | WG1849435 |
| Xylenes, Total | U | | 0.000174 | 0.00300 | 1 | 04/15/2022 21:43 | WG1849435 |
| Naphthalene | U | | 0.00100 | 0.00500 | 1 | 04/15/2022 21:43 | WG1849435 |
| 1,2,4-Trimethylbenzene | U | | 0.000322 | 0.00100 | 1 | 04/15/2022 21:43 | WG1849435 |
| 1,3,5-Trimethylbenzene | U | | 0.000104 | 0.00100 | 1 | 04/15/2022 21:43 | WG1849435 |
| (S) Toluene-d8 | 97.8 | | | 80.0-120 | | 04/15/2022 21:43 | WG1849435 |
| (S) 4-Bromofluorobenzene | 93.3 | | | 77.0-126 | | 04/15/2022 21:43 | WG1849435 |
| (S) 1,2-Dichloroethane-d4 | 112 | | | 70.0-130 | | 04/15/2022 21:43 | WG1849435 |

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Entrada Consulting Group

Sample Delivery Group: L1482550

Samples Received: 04/14/2022

Project Number:

Description: CC Guard Shack

Report To: Stuart Hall
240 Mesa Avenue
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 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 | 4 |
| Sr: Sample Results | 5 |
| 20220413-CC-GS L1482550-01 | 5 |
| Qc: Quality Control Summary | 6 |
| Gravimetric Analysis by Method 2540 C-2011 | 6 |
| Wet Chemistry by Method 9056A | 7 |
| Volatile Organic Compounds (GC/MS) by Method 8260B | 9 |
| Gl: Glossary of Terms | 10 |
| Al: Accreditations & Locations | 11 |
| Sc: Sample Chain of Custody | 12 |

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

SAMPLE SUMMARY

20220413-CC-GS L1482550-01 GW

Collected by
R Johnson

Collected date/time
04/13/22 13:45

Received date/time
04/14/22 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Gravimetric Analysis by Method 2540 C-2011 | WG1851488 | 1 | 04/20/22 11:45 | 04/20/22 14:56 | SJF | Mt. Juliet, TN |
| Wet Chemistry by Method 9056A | WG1849133 | 1 | 04/15/22 17:28 | 04/15/22 17:28 | LBR | Mt. Juliet, TN |
| Wet Chemistry by Method 9056A | WG1849133 | 5 | 04/15/22 17:42 | 04/15/22 17:42 | LBR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1849435 | 1 | 04/15/22 22:02 | 04/15/22 22:02 | ACG | 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.



Chris Ward
Project Manager



Gravimetric Analysis by Method 2540 C-2011

| Analyte | Result mg/l | Qualifier | RDL mg/l | Dilution | Analysis date / time | Batch |
|------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Dissolved Solids | 809 | | 13.3 | 1 | 04/20/2022 14:56 | WG1851488 |

Wet Chemistry by Method 9056A

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|----------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Chloride | 57.8 | | 0.379 | 1.00 | 1 | 04/15/2022 17:28 | WG1849133 |
| Sulfate | 196 | | 2.97 | 25.0 | 5 | 04/15/2022 17:42 | WG1849133 |

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Benzene | U | | 0.0000941 | 0.00100 | 1 | 04/15/2022 22:02 | WG1849435 |
| Toluene | U | | 0.000278 | 0.00100 | 1 | 04/15/2022 22:02 | WG1849435 |
| Ethylbenzene | U | | 0.000137 | 0.00100 | 1 | 04/15/2022 22:02 | WG1849435 |
| Xylenes, Total | U | | 0.000174 | 0.00300 | 1 | 04/15/2022 22:02 | WG1849435 |
| Naphthalene | U | | 0.00100 | 0.00500 | 1 | 04/15/2022 22:02 | WG1849435 |
| 1,2,4-Trimethylbenzene | U | | 0.000322 | 0.00100 | 1 | 04/15/2022 22:02 | WG1849435 |
| 1,3,5-Trimethylbenzene | U | | 0.000104 | 0.00100 | 1 | 04/15/2022 22:02 | WG1849435 |
| (S) Toluene-d8 | 98.0 | | | 80.0-120 | | 04/15/2022 22:02 | WG1849435 |
| (S) 4-Bromofluorobenzene | 93.2 | | | 77.0-126 | | 04/15/2022 22:02 | WG1849435 |
| (S) 1,2-Dichloroethane-d4 | 112 | | | 70.0-130 | | 04/15/2022 22:02 | WG1849435 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3784333-1 04/20/22 14:56

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

L1482550-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1482550-01 04/20/22 14:56 • (DUP) R3784333-3 04/20/22 14:56

| | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|------------------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte | mg/l | mg/l | | % | | % |
| Dissolved Solids | 809 | 832 | 1 | 2.76 | | 5 |

L1483468-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1483468-12 04/20/22 14:56 • (DUP) R3784333-4 04/20/22 14:56

| | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|------------------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte | mg/l | mg/l | | % | | % |
| Dissolved Solids | 867 | 852 | 1 | 1.71 | | 5 |

Laboratory Control Sample (LCS)

(LCS) R3784333-2 04/20/22 14:56

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | <u>LCS Qualifier</u> |
|------------------|--------------|------------|----------|-------------|----------------------|
| Analyte | mg/l | mg/l | % | % | |
| Dissolved Solids | 8800 | 8590 | 97.6 | 77.4-123 | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3782882-1 04/15/22 10:20

| | 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 |

L1482549-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1482549-04 04/15/22 12:02 • (DUP) R3782882-3 04/15/22 12:15

| | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/l | mg/l | | % | | % |
| Chloride | 16.7 | 16.9 | 1 | 1.26 | | 15 |
| Sulfate | 730 | 739 | 1 | 1.26 | E | 15 |

L1482561-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1482561-01 04/15/22 17:55 • (DUP) R3782882-6 04/15/22 18:36

| | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/l | mg/l | | % | | % |
| Chloride | 1.12 | 1.11 | 1 | 0.909 | | 15 |
| Sulfate | 1.16 | 1.12 | 1 | 3.46 | J | 15 |

Laboratory Control Sample (LCS)

(LCS) R3782882-2 04/15/22 10:34

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------|--------------|------------|----------|-------------|---------------|
| Analyte | mg/l | mg/l | % | % | |
| Chloride | 40.0 | 38.7 | 96.7 | 80.0-120 | |
| Sulfate | 40.0 | 39.0 | 97.4 | 80.0-120 | |

L1482549-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1482549-04 04/15/22 12:02 • (MS) R3782882-4 04/15/22 12:29 • (MSD) R3782882-5 04/15/22 12:43

| | 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 | 16.7 | 63.4 | 65.2 | 93.5 | 97.1 | 1 | 80.0-120 | | | 2.85 | 15 |
| Sulfate | 50.0 | 730 | 724 | 756 | 0.000 | 52.4 | 1 | 80.0-120 | E V | E V | 4.32 | 15 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1482561-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1482561-01 04/15/22 17:55 • (MS) R3782882-7 04/15/22 18:50

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MS Rec. % | Dilution | Rec. Limits % | <u>MS Qualifier</u> |
|----------|----------------------|-------------------------|-------------------|--------------|----------|------------------|---------------------|
| Chloride | 50.0 | 1.12 | 49.2 | 96.1 | 1 | 80.0-120 | |
| Sulfate | 50.0 | 1.16 | 48.4 | 94.4 | 1 | 80.0-120 | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3782628-2 04/15/22 17:41

| 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 |
| 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 | 102 | | | 80.0-120 |
| (S) 4-Bromofluorobenzene | 88.0 | | | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 100 | | | 70.0-130 |

Laboratory Control Sample (LCS)

(LCS) R3782628-1 04/15/22 16:43

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---------------------------|----------------------|--------------------|---------------|------------------|---------------|
| Benzene | 0.00500 | 0.00532 | 106 | 70.0-123 | |
| Toluene | 0.00500 | 0.00527 | 105 | 79.0-120 | |
| Ethylbenzene | 0.00500 | 0.00522 | 104 | 79.0-123 | |
| Xylenes, Total | 0.0150 | 0.0156 | 104 | 79.0-123 | |
| Naphthalene | 0.00500 | 0.00461 | 92.2 | 54.0-135 | |
| 1,2,4-Trimethylbenzene | 0.00500 | 0.00528 | 106 | 76.0-121 | |
| 1,3,5-Trimethylbenzene | 0.00500 | 0.00472 | 94.4 | 76.0-122 | |
| (S) Toluene-d8 | | | 95.1 | 80.0-120 | |
| (S) 4-Bromofluorobenzene | | | 91.1 | 77.0-126 | |
| (S) 1,2-Dichloroethane-d4 | | | 113 | 70.0-130 | |

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

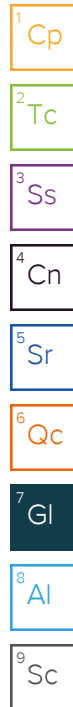
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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. |
| 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 |
|-----------|---|
| E | The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL). |
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
| V | The sample concentration is too high to evaluate accurate spike recoveries. |



ACCREDITATIONS & LOCATIONS

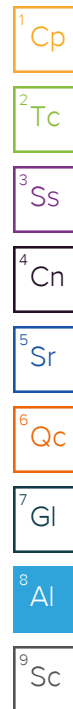
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

| | | | |
|--------------------------------|-------------|-----------------------------|------------------|
| 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.



[illegible]

#501612319327

Entrada Consulting Group

Sample Delivery Group: L1498299
Samples Received: 05/26/2022
Project Number: MAIN CROSSIN - MAY 2
Description: Guard Shack/Crossing
Site: MAIN CROSSING
Report To: Stuart Hall
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 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 | 4 |
| Sr: Sample Results | 5 |
| SW1 L1498299-01 | 5 |
| Qc: Quality Control Summary | 6 |
| Gravimetric Analysis by Method 2540 C-2011 | 6 |
| Wet Chemistry by Method 9056A | 7 |
| Volatile Organic Compounds (GC/MS) by Method 8260B | 9 |
| Gl: Glossary of Terms | 10 |
| Al: Accreditations & Locations | 11 |
| Sc: Sample Chain of Custody | 12 |

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

SAMPLE SUMMARY

SW1 L1498299-01 GW

Collected by
Byron Abeyta

Collected date/time
05/25/22 13:45

Received date/time
05/26/22 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Gravimetric Analysis by Method 2540 C-2011 | WG1872524 | 1 | 06/01/22 10:33 | 06/01/22 15:55 | SJF | Mt. Juliet, TN |
| Wet Chemistry by Method 9056A | WG1881770 | 1 | 06/20/22 21:25 | 06/20/22 21:25 | LBR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1872699 | 1 | 06/01/22 19:18 | 06/01/22 19:18 | JHH | 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.



Chris Ward
Project Manager



Gravimetric Analysis by Method 2540 C-2011

| Analyte | Result mg/l | Qualifier | RDL mg/l | Dilution | Analysis date / time | Batch |
|------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Dissolved Solids | 797 | | 13.3 | 1 | 06/01/2022 15:55 | WG1872524 |

Wet Chemistry by Method 9056A

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|----------|----------------|---------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Chloride | 58.6 | | 0.379 | 1.00 | 1 | 06/20/2022 21:25 | WG1881770 |
| Sulfate | 220 | E V | 0.594 | 5.00 | 1 | 06/20/2022 21:25 | WG1881770 |

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Benzene | U | | 0.0000941 | 0.00100 | 1 | 06/01/2022 19:18 | WG1872699 |
| Toluene | U | | 0.000278 | 0.00100 | 1 | 06/01/2022 19:18 | WG1872699 |
| Ethylbenzene | U | | 0.000137 | 0.00100 | 1 | 06/01/2022 19:18 | WG1872699 |
| Xylenes, Total | U | | 0.000174 | 0.00300 | 1 | 06/01/2022 19:18 | WG1872699 |
| Naphthalene | U | | 0.00100 | 0.00500 | 1 | 06/01/2022 19:18 | WG1872699 |
| 1,2,4-Trimethylbenzene | U | | 0.000322 | 0.00100 | 1 | 06/01/2022 19:18 | WG1872699 |
| 1,3,5-Trimethylbenzene | U | | 0.000104 | 0.00100 | 1 | 06/01/2022 19:18 | WG1872699 |
| (S) Toluene-d8 | 103 | | | 80.0-120 | | 06/01/2022 19:18 | WG1872699 |
| (S) 4-Bromofluorobenzene | 92.9 | | | 77.0-126 | | 06/01/2022 19:18 | WG1872699 |
| (S) 1,2-Dichloroethane-d4 | 115 | | | 70.0-130 | | 06/01/2022 19:18 | WG1872699 |

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Method Blank (MB)

(MB) R3799427-1 06/01/22 15:55

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

L1498296-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1498296-05 06/01/22 15:55 • (DUP) R3799427-3 06/01/22 15:55

| | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/l | mg/l | | % | | % |
| Dissolved Solids | 2000 | 1980 | 1 | 0.905 | | 5 |

L1498296-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1498296-06 06/01/22 15:55 • (DUP) R3799427-4 06/01/22 15:55

| | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/l | mg/l | | % | | % |
| Dissolved Solids | 1990 | 1950 | 1 | 1.93 | | 5 |

Laboratory Control Sample (LCS)

(LCS) R3799427-2 06/01/22 15:55

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|------------------|--------------|------------|----------|-------------|---------------|
| Analyte | mg/l | mg/l | % | % | |
| Dissolved Solids | 2460 | 2500 | 102 | 81.7-118 | |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3805733-1 06/20/22 08:56

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

L1498238-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1498238-01 06/20/22 14:43 • (DUP) R3805733-3 06/20/22 14:57

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------|-------------------------|--------------------|----------|--------------|---------------|------------------------|
| Chloride | 41.1 | 41.1 | 1 | 0.104 | | 15 |
| Sulfate | 160 | 160 | 1 | 0.0150 | E | 15 |

L1498238-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1498238-15 06/20/22 19:55 • (DUP) R3805733-6 06/20/22 20:10

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------|-------------------------|--------------------|----------|--------------|---------------|------------------------|
| Chloride | 37.6 | 37.7 | 1 | 0.114 | | 15 |
| Sulfate | 144 | 144 | 1 | 0.138 | E | 15 |

Laboratory Control Sample (LCS)

(LCS) R3805733-2 06/20/22 09:11

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------|----------------------|--------------------|---------------|------------------|---------------|
| Chloride | 40.0 | 40.4 | 101 | 80.0-120 | |
| Sulfate | 40.0 | 41.0 | 103 | 80.0-120 | |

L1498238-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1498238-10 06/20/22 17:41 • (MS) R3805733-4 06/20/22 17:56 • (MSD) R3805733-5 06/20/22 18:11

| 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 % |
|----------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Chloride | 50.0 | 57.1 | 106 | 106 | 98.9 | 98.8 | 1 | 80.0-120 | E | E | 0.0404 | 15 |
| Sulfate | 50.0 | 149 | 189 | 188 | 79.1 | 78.5 | 1 | 80.0-120 | E J6 | E J6 | 0.176 | 15 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1498299-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1498299-01 06/20/22 21:25 • (MS) R3805733-7 06/20/22 21:40

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MS Rec. % | Dilution | Rec. Limits % | <u>MS Qualifier</u> |
|----------|----------------------|-------------------------|-------------------|--------------|----------|------------------|---------------------|
| Chloride | 50.0 | 58.6 | 108 | 99.6 | 1 | 80.0-120 | <u>E</u> |
| Sulfate | 50.0 | 220 | 248 | 55.4 | 1 | 80.0-120 | <u>E V</u> |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3798805-3 06/01/22 12:30

| 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 |
| 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 | 106 | | | 80.0-120 |
| (S) 4-Bromofluorobenzene | 99.2 | | | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 108 | | | 70.0-130 |

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

(LCS) R3798805-1 06/01/22 11:25 • (LCSD) R3798805-2 06/01/22 11:46

| 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 | 0.00530 | 0.00449 | 106 | 89.8 | 70.0-123 | | | 16.5 | 20 |
| Toluene | 0.00500 | 0.00516 | 0.00445 | 103 | 89.0 | 79.0-120 | | | 14.8 | 20 |
| Ethylbenzene | 0.00500 | 0.00521 | 0.00449 | 104 | 89.8 | 79.0-123 | | | 14.8 | 20 |
| Xylenes, Total | 0.0150 | 0.0159 | 0.0141 | 106 | 94.0 | 79.0-123 | | | 12.0 | 20 |
| Naphthalene | 0.00500 | 0.00402 | 0.00481 | 80.4 | 96.2 | 54.0-135 | | | 17.9 | 20 |
| 1,2,4-Trimethylbenzene | 0.00500 | 0.00481 | 0.00475 | 96.2 | 95.0 | 76.0-121 | | | 1.26 | 20 |
| 1,3,5-Trimethylbenzene | 0.00500 | 0.00513 | 0.00469 | 103 | 93.8 | 76.0-122 | | | 8.96 | 20 |
| (S) Toluene-d8 | | | | 98.9 | 95.8 | 80.0-120 | | | | |
| (S) 4-Bromofluorobenzene | | | | 96.1 | 103 | 77.0-126 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | 107 | 105 | 70.0-130 | | | | |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

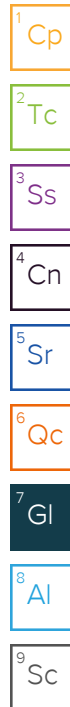
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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 |
|-----------|---|
| E | The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL). |
| J6 | The sample matrix interfered with the ability to make any accurate determination; spike value is low. |
| V | The sample concentration is too high to evaluate accurate spike recoveries. |



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.



66281m7

| <u>Tracking Numbers</u> | <u>Temperature</u> |
|-----------------------------|--------------------|
| 5755 8084 9696 | Jan 6 5:6+0-5.6 |
| 5755 8084 9727 | 55AA 1.2+8.2 |
| | |
| | |
| | |
| | |

Entrada Consulting Group

Sample Delivery Group: L1498299
Samples Received: 05/26/2022
Project Number: MAIN CROSSIN - MAY 2
Description: Guard Shack/Crossing
Site: MAIN CROSSING
Report To: Stuart Hall
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 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 | 4 |
| Sr: Sample Results | 5 |
| SW1 L1498299-01 | 5 |
| Qc: Quality Control Summary | 6 |
| Gravimetric Analysis by Method 2540 C-2011 | 6 |
| Wet Chemistry by Method 9056A | 7 |
| Volatile Organic Compounds (GC/MS) by Method 8260B | 9 |
| Gl: Glossary of Terms | 10 |
| Al: Accreditations & Locations | 11 |
| Sc: Sample Chain of Custody | 12 |

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

SAMPLE SUMMARY

SW1 L1498299-01 GW

Collected by
Byron Abeyta

Collected date/time
05/25/22 13:45

Received date/time
05/26/22 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Gravimetric Analysis by Method 2540 C-2011 | WG1872524 | 1 | 06/01/22 10:33 | 06/01/22 15:55 | SJF | Mt. Juliet, TN |
| Wet Chemistry by Method 9056A | WG1881770 | 1 | 06/20/22 21:25 | 06/20/22 21:25 | LBR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1872699 | 1 | 06/01/22 19:18 | 06/01/22 19:18 | JHH | 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.



Chris Ward
Project Manager



Gravimetric Analysis by Method 2540 C-2011

| Analyte | Result mg/l | Qualifier | RDL mg/l | Dilution | Analysis date / time | Batch |
|------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Dissolved Solids | 797 | | 13.3 | 1 | 06/01/2022 15:55 | WG1872524 |

Wet Chemistry by Method 9056A

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|----------|----------------|---------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Chloride | 58.6 | | 0.379 | 1.00 | 1 | 06/20/2022 21:25 | WG1881770 |
| Sulfate | 220 | E V | 0.594 | 5.00 | 1 | 06/20/2022 21:25 | WG1881770 |

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Benzene | U | | 0.0000941 | 0.00100 | 1 | 06/01/2022 19:18 | WG1872699 |
| Toluene | U | | 0.000278 | 0.00100 | 1 | 06/01/2022 19:18 | WG1872699 |
| Ethylbenzene | U | | 0.000137 | 0.00100 | 1 | 06/01/2022 19:18 | WG1872699 |
| Xylenes, Total | U | | 0.000174 | 0.00300 | 1 | 06/01/2022 19:18 | WG1872699 |
| Naphthalene | U | | 0.00100 | 0.00500 | 1 | 06/01/2022 19:18 | WG1872699 |
| 1,2,4-Trimethylbenzene | U | | 0.000322 | 0.00100 | 1 | 06/01/2022 19:18 | WG1872699 |
| 1,3,5-Trimethylbenzene | U | | 0.000104 | 0.00100 | 1 | 06/01/2022 19:18 | WG1872699 |
| (S) Toluene-d8 | 103 | | | 80.0-120 | | 06/01/2022 19:18 | WG1872699 |
| (S) 4-Bromofluorobenzene | 92.9 | | | 77.0-126 | | 06/01/2022 19:18 | WG1872699 |
| (S) 1,2-Dichloroethane-d4 | 115 | | | 70.0-130 | | 06/01/2022 19:18 | WG1872699 |

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Method Blank (MB)

(MB) R3799427-1 06/01/22 15:55

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

L1498296-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1498296-05 06/01/22 15:55 • (DUP) R3799427-3 06/01/22 15:55

| | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/l | mg/l | | % | | % |
| Dissolved Solids | 2000 | 1980 | 1 | 0.905 | | 5 |

L1498296-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1498296-06 06/01/22 15:55 • (DUP) R3799427-4 06/01/22 15:55

| | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/l | mg/l | | % | | % |
| Dissolved Solids | 1990 | 1950 | 1 | 1.93 | | 5 |

Laboratory Control Sample (LCS)

(LCS) R3799427-2 06/01/22 15:55

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|------------------|--------------|------------|----------|-------------|---------------|
| Analyte | mg/l | mg/l | % | % | |
| Dissolved Solids | 2460 | 2500 | 102 | 81.7-118 | |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3805733-1 06/20/22 08:56

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

L1498238-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1498238-01 06/20/22 14:43 • (DUP) R3805733-3 06/20/22 14:57

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------|-------------------------|--------------------|----------|--------------|---------------|------------------------|
| Chloride | 41.1 | 41.1 | 1 | 0.104 | | 15 |
| Sulfate | 160 | 160 | 1 | 0.0150 | E | 15 |

L1498238-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1498238-15 06/20/22 19:55 • (DUP) R3805733-6 06/20/22 20:10

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------|-------------------------|--------------------|----------|--------------|---------------|------------------------|
| Chloride | 37.6 | 37.7 | 1 | 0.114 | | 15 |
| Sulfate | 144 | 144 | 1 | 0.138 | E | 15 |

Laboratory Control Sample (LCS)

(LCS) R3805733-2 06/20/22 09:11

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------|----------------------|--------------------|---------------|------------------|---------------|
| Chloride | 40.0 | 40.4 | 101 | 80.0-120 | |
| Sulfate | 40.0 | 41.0 | 103 | 80.0-120 | |

L1498238-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1498238-10 06/20/22 17:41 • (MS) R3805733-4 06/20/22 17:56 • (MSD) R3805733-5 06/20/22 18:11

| 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 % |
|----------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Chloride | 50.0 | 57.1 | 106 | 106 | 98.9 | 98.8 | 1 | 80.0-120 | E | E | 0.0404 | 15 |
| Sulfate | 50.0 | 149 | 189 | 188 | 79.1 | 78.5 | 1 | 80.0-120 | E J6 | E J6 | 0.176 | 15 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1498299-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1498299-01 06/20/22 21:25 • (MS) R3805733-7 06/20/22 21:40

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MS Rec. % | Dilution | Rec. Limits % | <u>MS Qualifier</u> |
|----------|----------------------|-------------------------|-------------------|--------------|----------|------------------|---------------------|
| Chloride | 50.0 | 58.6 | 108 | 99.6 | 1 | 80.0-120 | <u>E</u> |
| Sulfate | 50.0 | 220 | 248 | 55.4 | 1 | 80.0-120 | <u>E V</u> |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3798805-3 06/01/22 12:30

| 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 |
| 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 | 106 | | | 80.0-120 |
| (S) 4-Bromofluorobenzene | 99.2 | | | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 108 | | | 70.0-130 |

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

(LCS) R3798805-1 06/01/22 11:25 • (LCSD) R3798805-2 06/01/22 11:46

| 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 | 0.00530 | 0.00449 | 106 | 89.8 | 70.0-123 | | | 16.5 | 20 |
| Toluene | 0.00500 | 0.00516 | 0.00445 | 103 | 89.0 | 79.0-120 | | | 14.8 | 20 |
| Ethylbenzene | 0.00500 | 0.00521 | 0.00449 | 104 | 89.8 | 79.0-123 | | | 14.8 | 20 |
| Xylenes, Total | 0.0150 | 0.0159 | 0.0141 | 106 | 94.0 | 79.0-123 | | | 12.0 | 20 |
| Naphthalene | 0.00500 | 0.00402 | 0.00481 | 80.4 | 96.2 | 54.0-135 | | | 17.9 | 20 |
| 1,2,4-Trimethylbenzene | 0.00500 | 0.00481 | 0.00475 | 96.2 | 95.0 | 76.0-121 | | | 1.26 | 20 |
| 1,3,5-Trimethylbenzene | 0.00500 | 0.00513 | 0.00469 | 103 | 93.8 | 76.0-122 | | | 8.96 | 20 |
| (S) Toluene-d8 | | | | 98.9 | 95.8 | 80.0-120 | | | | |
| (S) 4-Bromofluorobenzene | | | | 96.1 | 103 | 77.0-126 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | 107 | 105 | 70.0-130 | | | | |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

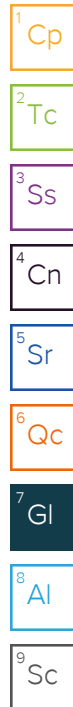
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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 |
|-----------|---|
| E | The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL). |
| J6 | The sample matrix interfered with the ability to make any accurate determination; spike value is low. |
| V | The sample concentration is too high to evaluate accurate spike recoveries. |



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.



66281m7

| <u>Tracking Numbers</u> | <u>Temperature</u> |
|-----------------------------|--------------------|
| 5755 8084 9696 | Jan 6 5:6+0-5.6 |
| 5755 8084 9727 | 55AA 1.2+0.2 |
| | |
| | |
| | |
| | |

Gravimetric Analysis by Method 2540 C-2011

| Analyte | Result mg/l | <u>Qualifier</u> | RDL mg/l | Dilution | Analysis date / time | <u>Batch</u> |
|------------------|----------------|------------------|-------------|----------|-------------------------|---------------------------|
| Dissolved Solids | 749 | | 13.3 | 1 | 07/26/2022 17:23 | WG1900963 |

Wet Chemistry by Method 9056A

| Analyte | Result mg/l | <u>Qualifier</u> | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | <u>Batch</u> |
|----------|----------------|------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Chloride | 58.0 | | 0.379 | 1.00 | 1 | 07/23/2022 08:14 | WG1899475 |
| Sulfate | 211 | | 2.97 | 25.0 | 5 | 07/25/2022 21:58 | WG1900328 |

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

| Analyte | Result mg/l | <u>Qualifier</u> | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | <u>Batch</u> |
|---------------------------|----------------|------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Benzene | U | | 0.0000941 | 0.00100 | 1 | 07/24/2022 02:58 | WG1899770 |
| Toluene | U | | 0.000278 | 0.00100 | 1 | 07/24/2022 02:58 | WG1899770 |
| Ethylbenzene | U | | 0.000137 | 0.00100 | 1 | 07/24/2022 02:58 | WG1899770 |
| Xylenes, Total | U | | 0.000174 | 0.00300 | 1 | 07/24/2022 02:58 | WG1899770 |
| Naphthalene | U | | 0.00100 | 0.00500 | 1 | 07/24/2022 02:58 | WG1899770 |
| 1,2,4-Trimethylbenzene | U | | 0.000322 | 0.00100 | 1 | 07/24/2022 02:58 | WG1899770 |
| 1,3,5-Trimethylbenzene | U | | 0.000104 | 0.00100 | 1 | 07/24/2022 02:58 | WG1899770 |
| (S) Toluene-d8 | 104 | | | 80.0-120 | | 07/24/2022 02:58 | WG1899770 |
| (S) 4-Bromofluorobenzene | 81.5 | | | 77.0-126 | | 07/24/2022 02:58 | WG1899770 |
| (S) 1,2-Dichloroethane-d4 | 94.4 | | | 70.0-130 | | 07/24/2022 02:58 | WG1899770 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc