

## Haley Griffith (adpce.ad)

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**From:** Jaros, David G. <David.Jaros@terracon.com>  
**Sent:** Friday, October 3, 2025 3:50 PM  
**To:** Anna Knoerr; EE GW Reports  
**Cc:** Ross, Sarah M; Acree, Matt J  
**Subject:** GP Crossett response letter (AFIN 02-00013)  
**Attachments:** Response to DEQ letter 9.3.25.pdf

Anna,

Please find attached the response to the DEQ letter from 9/3/25 concerning the comments to recent GP Crossett groundwater reports (2<sup>nd</sup> Half 2024 and 1<sup>st</sup> Half 2025) (AFIN 02-00013).

Please give me a call if you have any questions or concerns.

Thanks,

**David Jaros, P.G.**  
**Project Manager | Environmental Department**



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Terracon provides environmental, facilities, geotechnical, and materials consulting engineering services delivered with responsiveness, resourcefulness, and reliability.

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October 3, 2025

Office of Land Resources  
Division of Environmental Quality  
5301 Northshore Drive  
North Little Rock, AR 72118-5317

Attn: Anna Knoerr  
[Anna.Knoerr@adeq.state.ar.us](mailto:Anna.Knoerr@adeq.state.ar.us)

**Re: Review of Second Half 2024 and First Half 2025 Groundwater Monitoring Reports  
Georgia-Pacific Landfill Class 3N  
Permit No. 0292-S3N**

**AFIN: 02-00013**

Dear Ms. Knoerr:

Terracon Consultants, Inc. (Terracon) is pleased to present on behalf of Georgia-Pacific Crossett, LLC this response to the Division of Environmental Quality (DEQ) correspondence dated September 3, 2025.

*ADEQ Comment #1 – Figure 2 of the Second Half 2024 Groundwater Monitoring Report contains the potentiometric map of the landfill. In this figure, a flow direction arrow is pointing south at monitoring well MW-6. If groundwater were to flow in this direction, the potentiometric surface lines indicate that it would be moving upgradient. Please correct this on all future groundwater monitoring reports.*

*Comment #1 response – Terracon has reviewed the potentiometric map. The arrow at MW-6 has been corrected to accurately depict the downgradient flow direction based on the potentiometric surface lines. All future groundwater monitoring reports will include the correct flow direction.*

*ADEQ Comment #2 – Elevated concentrations of total dissolved solids, chloride, sulfate, and manganese have been regularly documented at this site. Due to their association with paper mills and as allowed by 8 CAR § 60-1204(a)(3)(C)(ii), please sample and analyze for chloroform and carbon disulfide in each well and leachate for the next four (4) sampling events.*

*Comment #2 response – Terracon acknowledges ADEQ's request to analyze chloroform and carbon disulfide for the next four semi-annual sampling events and will include these analytes in groundwater samples collected from all monitoring wells for the next four events.*

The leachate pump station associated with the landfill leachate collection system is no longer operational following landfill post-closure activities; therefore, leachate samples cannot be collected.

*ADEQ Comment #3 – Per Special Condition 19 of the permit, constituents from Appendix 3 are sampled every five years and any constituent found during that event is added to the list of constituents to be analyzed during each semi-annual event. Cadmium, selenium, copper, and lindane are all found on that list and have been detected at the site. Please explain why these constituents have not been analyzed and ensure they are analyzed during all future sampling events.*

Explore with us

Comment #3 response –

Terracon confirms cadmium, selenium, and copper were added to the extended-list sampling in the Second Half 2021 event and, after being included for subsequent events for a limited period, these analytes were inadvertently omitted in more recent sampling. Terracon will reinstate cadmium, selenium, and copper analyses for all future semi-annual groundwater monitoring events in accordance with Special Condition 19 of the permit.

Lindane was detected in the Second Half 2021 sampling event. Lindane was resampled per discussion with DEQ; please find attached a copy of the resampling analytical results and the associated conclusions.

*ADEQ Comment #4 – Special Condition 19 also lists 1,1-dichloroethylene as a constituent to be analyzed every five years. The last time 1,1-dichloroethylene was analyzed was in 2006. Please explain why this constituent has not been analyzed and resume analyzing every five years.*

Comment #4 response – 1,1-Dichloroethene (also referenced as 1,1-dichloroethylene; CAS No. 75-35-4) was included in the extended-list sampling event in the Second Half 2021. Terracon will continue the five-year analysis schedule for this constituent as required by Special Condition 19. For reference, 1,1-dichloroethene and 1,1-dichloroethylene are synonymous names for the same compound.

*ADEQ Comment #5 – Elevated Method Detection Limits (MDLs) and Reporting Detection Limits (RDLs) have been noted for multiple constituents. 8 CAR § 60-1203, previously Rule 22.1203(h), states, "Any PQL or MDL that is used in the statistical method shall be the lowest concentration level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions using current laboratory standards." Please reduce the detection limits or explain why the MDLs for fluoride, nitrate, and Total Petroleum Hydrocarbons (TPH) oil and gas have been increased and why the RDL for arsenic is set at the maximum contaminant level.*

Comment #5 response – The analytical laboratory was contacted and confirmed that the lowest concentration level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions using current laboratory standards is being performed on all parameters including arsenic.

*ADEQ Comment #6 – As a reminder, per 8 CAR § 60-1203, a copy of the analytical results must be submitted directly from the contract laboratory for all groundwater sampling events. Please submit the laboratory results for the Second Half 2024 and First Half 2025 sampling events, and ensure results are sent to DEQ on all future sampling events.*

Comment #6 response – Copies of all analytical results for the Second Half 2024 and First Half 2025 sampling events have recently been submitted directly from the contract laboratory to ADEQ as required by 8 CAR § 60-1203.

[https://www.adeg.state.ar.us/downloads/WebDatabases/SolidWaste/FacilityReports/0292-S3N\\_Analytical%20Reports%20\(3\)%20-%20Email%20from%20Brittnie%20Boyd%20to%20gwreports\\_20250926.pdf](https://www.adeg.state.ar.us/downloads/WebDatabases/SolidWaste/FacilityReports/0292-S3N_Analytical%20Reports%20(3)%20-%20Email%20from%20Brittnie%20Boyd%20to%20gwreports_20250926.pdf)

To prevent recurrence, Terracon has established a procedure requiring the laboratory to copy both ADEQ and Terracon on all future submittals at the time of report completion. This will ensure compliance with permit requirements and provide a documented chain of custody for report delivery.



ADEQ Comment #7 – *Throughout the historical data of the site, asterisks are found next to multiple undetect results. Please explain the meaning of this symbol as it is used in the database.*

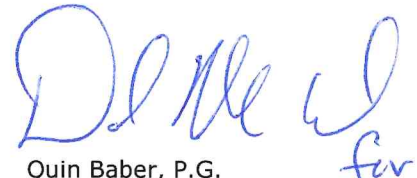
Comment #7 response – Asterisks in the historical database indicate non-detect results that were reported with an associated laboratory detection limit. All future reports will exclude the symbol to avoid confusion.

If you have any questions or comments, or desire any additional information regarding this matter, please contact David Jaros at your convenience.

Sincerely,  
**Terracon Consultants, Inc.**



David Jaros, P.G.  
Project Manager



Quin Baber, P.G.  
Environmental Manager

**Attachments:** Lindane Resampling Report



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May 3, 2022

Office of Land Resources  
Division of Environmental Quality  
5301 Northshore Drive  
North Little Rock, AR 72118-5317

ATTN: Mr. Bill Sadler, P.G.  
[gwreports@adeq.state.ar.us](mailto:gwreports@adeq.state.ar.us)

**Re: Verification Sampling Event (February 15, 2022)**  
**Georgia-Pacific Crossett LLC Class 3N Landfill**  
**Crossett, Arkansas**  
**Project No. 35177052A**

Dear Mr. Sadler:

On behalf of Georgia-Pacific Crossett LLC and as allowed by Regulation 22.1204(c)(3), Terracon Consultants Inc. (Terracon) collected a verification sample for Gamma BHC (or Lindane) at MW-3, MW-4, MW-5, MW-6, and MW-7 on February 15, 2022. The verification sampling was performed as a result of the detections for Gamma BHC at MW-3, MW-4, MW-5, MW-6, and MW-7 during the Second Half 2021 sampling event.

The verification sample was tested again for Gamma BHC to confirm the detection of this analyte during the Second Half 2021 event. Gamma-BHC was found to be non-detect at MW-3, MW-4, MW-5, MW-6, and MW-7. This event confirmed that the presence of this pesticide would have been attributable to either an error in analysis or sampling procedure. As a result of the verification sampling event, lindane will not be added to the sampling list for the next five years and will be sampled along with the extended parameters listed in permit number 292-S3N Special Condition 19 in the Second Half of 2026. It should be noted that the new sampling list for the next five years is seen below in Table 1. Please find the attached analytical data for both the Second Half 2021 and the corresponding verification event.

If you have any questions or comments, please do not hesitate to contact myself or David Jaros at your convenience.

Sincerely,  
**Terracon Consultants, Inc.**



Matt Acree, G.I.T.  
Staff Geologist



David Jaros, P.G.  
Project Manager

**Attachments:** Table 1 – Constituents for Detection Monitoring  
Second Half 2021 Analytics Data  
Verification Event Analytics Data

**TABLE 1**

| CONSTITUENTS FOR DETECTION MONITORING |                                                                                    |
|---------------------------------------|------------------------------------------------------------------------------------|
| <u>REQUIRED CONSTITUENTS</u>          | <u>EXTENDED PARAMETER LIST – EVERY 5 YEARS</u><br>(Next event Second Half of 2026) |
| IRON                                  | ARSENIC                                                                            |
| ARSENIC (added)                       | CADMIUM                                                                            |
| BARIUM                                | FLUORIDE                                                                           |
| CADMIUM (added)                       | ZINC                                                                               |
| CHLORIDE                              | NITRATE (AS N)                                                                     |
| CHROMIUM (TOTAL)                      | MERCURY                                                                            |
| COPPER                                | SILVER                                                                             |
| FLUORIDE (added)                      | VINYL CHLORIDE                                                                     |
| LEAD                                  | 1,1,1-TRICHLOROETHANE                                                              |
| NITRATE as N (added)                  | TRICHLOROETHYLENE                                                                  |
| SELENIUM                              | CARBON TETRACHLORIDE                                                               |
| SULFATE                               | 1,4-DICHLOROBENZENE                                                                |
| TDS                                   | 1,2-DICHLOROETHANE                                                                 |
| ZINC (Added)                          | 1,1-DICHLOROETHYLENE                                                               |
| MANGANESE                             |                                                                                    |
| TPH (O&G)                             |                                                                                    |
| pH (field)                            |                                                                                    |
| TEMPERATURE (field)                   |                                                                                    |
| SPECIFIC CONDUCTANCE (field)          |                                                                                    |
| TURBIDITY (field)                     |                                                                                    |
| BENZENE                               |                                                                                    |

# Second Half 2021 Analytical Data

**Terracon - Little Rock, AR**

Sample Delivery Group: L1432776  
Samples Received: 11/18/2021  
Project Number: 35177052A  
Description: Georgia Pacific-Crossett Facility  
Site: GP CROSSETT  
Report To: David Jaros  
25809 I-30  
Bryant, AR 72022

Entire Report Reviewed By:



Mark W. Beasley  
Project Manager

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

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

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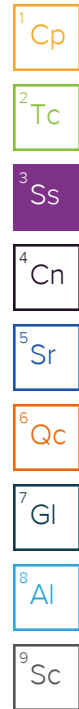
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|                 |
|-----------------|
| <sup>1</sup> Cp |
| <sup>2</sup> Tc |
| <sup>3</sup> Ss |
| <sup>4</sup> Cn |
| <sup>5</sup> Sr |
| <sup>6</sup> Qc |
| <sup>7</sup> Gl |
| <sup>8</sup> Al |
| <sup>9</sup> Sc |

# SAMPLE SUMMARY

## MW-1 L1432776-01 GW

|                                                    |           |          |                          | Collected by<br>MA/WW | Collected date/time<br>11/17/21 13:24 | Received date/time<br>11/18/21 09:30 |
|----------------------------------------------------|-----------|----------|--------------------------|-----------------------|---------------------------------------|--------------------------------------|
| Method                                             | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analyst                               | Location                             |
| Gravimetric Analysis by Method 2540 C-2011         | WG1779723 | 1        | 11/24/21 11:12           | 11/24/21 15:02        | BRG                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 1664A                      | WG1780251 | 1        | 11/24/21 13:02           | 11/26/21 12:20        | ERK                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1776819 | 1        | 11/18/21 15:42           | 11/18/21 15:42        | ELN                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1776819 | 10       | 11/18/21 16:13           | 11/18/21 16:13        | ELN                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9060A                      | WG1778485 | 1        | 11/22/21 23:24           | 11/22/21 23:24        | MJA                                   | Mt. Juliet, TN                       |
| Mercury by Method 7470A                            | WG1778225 | 1        | 11/26/21 11:08           | 11/29/21 08:53        | ABL                                   | Mt. Juliet, TN                       |
| Metals (ICP) by Method 6010B                       | WG1785689 | 1        | 12/08/21 00:49           | 12/10/21 21:38        | KMG                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1779333 | 1        | 11/24/21 01:33           | 11/24/21 01:33        | BMB                                   | Mt. Juliet, TN                       |
| Pesticides (GC) by Method 8081                     | WG1777563 | 1        | 11/21/21 21:06           | 11/22/21 11:07        | JMB                                   | Mt. Juliet, TN                       |



## MW-2N L1432776-02 GW

|                                                    |           |          |                          | Collected by<br>MA/WW | Collected date/time<br>11/17/21 12:47 | Received date/time<br>11/18/21 09:30 |
|----------------------------------------------------|-----------|----------|--------------------------|-----------------------|---------------------------------------|--------------------------------------|
| Method                                             | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analyst                               | Location                             |
| Gravimetric Analysis by Method 2540 C-2011         | WG1779721 | 1        | 11/24/21 11:10           | 11/24/21 13:08        | MMF                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 1664A                      | WG1780251 | 1        | 11/24/21 13:02           | 11/26/21 12:20        | ERK                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1776819 | 10       | 11/18/21 16:29           | 11/18/21 16:29        | ELN                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1776819 | 100      | 11/18/21 16:45           | 11/18/21 16:45        | ELN                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9060A                      | WG1778485 | 1        | 11/23/21 00:21           | 11/23/21 00:21        | MJA                                   | Mt. Juliet, TN                       |
| Mercury by Method 7470A                            | WG1778225 | 1        | 11/26/21 11:08           | 11/29/21 08:55        | ABL                                   | Mt. Juliet, TN                       |
| Metals (ICP) by Method 6010B                       | WG1785689 | 1        | 12/08/21 00:49           | 12/10/21 21:42        | KMG                                   | Mt. Juliet, TN                       |
| Metals (ICP) by Method 6010B                       | WG1785689 | 1        | 12/08/21 00:49           | 12/11/21 17:54        | CCE                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1779333 | 1        | 11/24/21 01:55           | 11/24/21 01:55        | BMB                                   | Mt. Juliet, TN                       |
| Pesticides (GC) by Method 8081                     | WG1777563 | 1        | 11/21/21 21:06           | 11/22/21 11:16        | JMB                                   | Mt. Juliet, TN                       |

## MW-3 L1432776-03 GW

|                                                    |           |          |                          | Collected by<br>MA/WW | Collected date/time<br>11/17/21 12:32 | Received date/time<br>11/18/21 09:30 |
|----------------------------------------------------|-----------|----------|--------------------------|-----------------------|---------------------------------------|--------------------------------------|
| Method                                             | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analyst                               | Location                             |
| Gravimetric Analysis by Method 2540 C-2011         | WG1779721 | 1        | 11/24/21 11:10           | 11/24/21 13:08        | MMF                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 1664A                      | WG1780251 | 1        | 11/24/21 13:02           | 11/26/21 12:20        | ERK                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1776819 | 10       | 11/18/21 17:01           | 11/18/21 17:01        | ELN                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1776819 | 100      | 11/18/21 17:17           | 11/18/21 17:17        | ELN                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9060A                      | WG1778485 | 1        | 11/23/21 00:53           | 11/23/21 00:53        | MJA                                   | Mt. Juliet, TN                       |
| Mercury by Method 7470A                            | WG1778225 | 1        | 11/26/21 11:08           | 11/29/21 08:58        | ABL                                   | Mt. Juliet, TN                       |
| Metals (ICP) by Method 6010B                       | WG1785689 | 1        | 12/08/21 00:49           | 12/10/21 21:45        | KMG                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1779333 | 1        | 11/24/21 02:16           | 11/24/21 02:16        | BMB                                   | Mt. Juliet, TN                       |
| Pesticides (GC) by Method 8081                     | WG1777563 | 1        | 11/21/21 21:06           | 11/22/21 11:25        | JMB                                   | Mt. Juliet, TN                       |

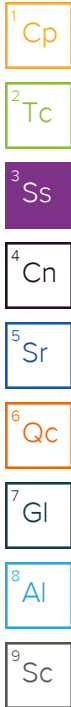
## MW-4 L1432776-04 GW

|                                                    |           |          |                          | Collected by<br>MA/WW | Collected date/time<br>11/17/21 11:48 | Received date/time<br>11/18/21 09:30 |
|----------------------------------------------------|-----------|----------|--------------------------|-----------------------|---------------------------------------|--------------------------------------|
| Method                                             | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analyst                               | Location                             |
| Gravimetric Analysis by Method 2540 C-2011         | WG1779723 | 1        | 11/24/21 11:12           | 11/24/21 15:02        | BRG                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 1664A                      | WG1780251 | 1        | 11/24/21 13:02           | 11/26/21 12:20        | ERK                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1776819 | 10       | 11/18/21 18:21           | 11/18/21 18:21        | ELN                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1776819 | 100      | 11/18/21 17:33           | 11/18/21 17:33        | ELN                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9060A                      | WG1778485 | 1        | 11/23/21 01:07           | 11/23/21 01:07        | MJA                                   | Mt. Juliet, TN                       |
| Mercury by Method 7470A                            | WG1778226 | 1        | 11/30/21 08:24           | 12/01/21 09:51        | ABL                                   | Mt. Juliet, TN                       |
| Metals (ICP) by Method 6010B                       | WG1785689 | 1        | 12/08/21 00:49           | 12/10/21 21:48        | KMG                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1779333 | 1        | 11/24/21 02:38           | 11/24/21 02:38        | BMB                                   | Mt. Juliet, TN                       |
| Pesticides (GC) by Method 8081                     | WG1777563 | 1        | 11/21/21 21:06           | 11/22/21 11:33        | JMB                                   | Mt. Juliet, TN                       |

# SAMPLE SUMMARY

## MW-5 L1432776-05 GW

|                                                    |           |          |                          | Collected by<br>MA/WW | Collected date/time<br>11/17/21 11:32 | Received date/time<br>11/18/21 09:30 |
|----------------------------------------------------|-----------|----------|--------------------------|-----------------------|---------------------------------------|--------------------------------------|
| Method                                             | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analyst                               | Location                             |
| Gravimetric Analysis by Method 2540 C-2011         | WG1779723 | 1        | 11/24/21 11:12           | 11/24/21 15:02        | BRG                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 1664A                      | WG1780251 | 1        | 11/24/21 13:02           | 11/26/21 12:20        | ERK                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1776819 | 1        | 11/18/21 18:37           | 11/18/21 18:37        | ELN                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1776819 | 20       | 11/18/21 18:53           | 11/18/21 18:53        | ELN                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9060A                      | WG1778485 | 1        | 11/23/21 01:22           | 11/23/21 01:22        | MJA                                   | Mt. Juliet, TN                       |
| Mercury by Method 7470A                            | WG1778226 | 1        | 11/30/21 08:24           | 12/01/21 09:53        | ABL                                   | Mt. Juliet, TN                       |
| Metals (ICP) by Method 6010B                       | WG1785689 | 1        | 12/08/21 00:49           | 12/10/21 21:51        | KMG                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1779333 | 1        | 11/24/21 03:00           | 11/24/21 03:00        | BMB                                   | Mt. Juliet, TN                       |
| Pesticides (GC) by Method 8081                     | WG1777563 | 1        | 11/21/21 21:06           | 11/22/21 11:42        | JMB                                   | Mt. Juliet, TN                       |



## MW-6 L1432776-06 GW

|                                                    |           |          |                          | Collected by<br>MA/WW | Collected date/time<br>11/17/21 14:35 | Received date/time<br>11/18/21 09:30 |
|----------------------------------------------------|-----------|----------|--------------------------|-----------------------|---------------------------------------|--------------------------------------|
| Method                                             | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analyst                               | Location                             |
| Gravimetric Analysis by Method 2540 C-2011         | WG1779721 | 1        | 11/24/21 11:10           | 11/24/21 13:08        | MMF                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 1664A                      | WG1780251 | 1        | 11/24/21 13:02           | 11/26/21 12:20        | ERK                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1776819 | 1        | 11/18/21 19:09           | 11/18/21 19:09        | ELN                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1776819 | 10       | 11/18/21 19:25           | 11/18/21 19:25        | ELN                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9060A                      | WG1778485 | 1        | 11/23/21 01:36           | 11/23/21 01:36        | MJA                                   | Mt. Juliet, TN                       |
| Mercury by Method 7470A                            | WG1778226 | 1        | 11/30/21 08:24           | 12/01/21 09:55        | ABL                                   | Mt. Juliet, TN                       |
| Metals (ICP) by Method 6010B                       | WG1785689 | 1        | 12/08/21 00:49           | 12/10/21 21:59        | KMG                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1779333 | 1        | 11/24/21 03:22           | 11/24/21 03:22        | BMB                                   | Mt. Juliet, TN                       |
| Pesticides (GC) by Method 8081                     | WG1777563 | 1        | 11/21/21 21:06           | 11/22/21 11:51        | JMB                                   | Mt. Juliet, TN                       |

## MW-7 L1432776-07 GW

|                                                    |           |          |                          | Collected by<br>MA/WW | Collected date/time<br>11/17/21 15:26 | Received date/time<br>11/18/21 09:30 |
|----------------------------------------------------|-----------|----------|--------------------------|-----------------------|---------------------------------------|--------------------------------------|
| Method                                             | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analyst                               | Location                             |
| Gravimetric Analysis by Method 2540 C-2011         | WG1779723 | 1        | 11/24/21 11:12           | 11/24/21 15:02        | BRG                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 1664A                      | WG1780251 | 1        | 11/24/21 13:02           | 11/26/21 12:20        | ERK                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1776819 | 1        | 11/18/21 19:40           | 11/18/21 19:40        | ELN                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9060A                      | WG1778485 | 1        | 11/23/21 02:29           | 11/23/21 02:29        | MJA                                   | Mt. Juliet, TN                       |
| Mercury by Method 7470A                            | WG1778226 | 1        | 11/30/21 08:24           | 12/01/21 09:57        | ABL                                   | Mt. Juliet, TN                       |
| Metals (ICP) by Method 6010B                       | WG1785689 | 1        | 12/08/21 00:49           | 12/10/21 22:01        | KMG                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1779333 | 1        | 11/24/21 03:44           | 11/24/21 03:44        | BMB                                   | Mt. Juliet, TN                       |
| Pesticides (GC) by Method 8081                     | WG1777563 | 1        | 11/21/21 21:06           | 11/22/21 12:00        | JMB                                   | Mt. Juliet, TN                       |

## DUPE L1432776-08 GW

|                                                    |           |          |                          | Collected by<br>MA/WW | Collected date/time<br>11/17/21 12:35 | Received date/time<br>11/18/21 09:30 |
|----------------------------------------------------|-----------|----------|--------------------------|-----------------------|---------------------------------------|--------------------------------------|
| Method                                             | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analyst                               | Location                             |
| Gravimetric Analysis by Method 2540 C-2011         | WG1779721 | 1        | 11/24/21 11:10           | 11/24/21 13:08        | MMF                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 1664A                      | WG1780251 | 1        | 11/24/21 13:02           | 11/26/21 12:20        | ERK                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1776819 | 1        | 11/18/21 20:12           | 11/18/21 20:12        | ELN                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1776819 | 20       | 11/18/21 20:28           | 11/18/21 20:28        | ELN                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9060A                      | WG1778485 | 1        | 11/23/21 03:22           | 11/23/21 03:22        | MJA                                   | Mt. Juliet, TN                       |
| Mercury by Method 7470A                            | WG1778226 | 1        | 11/30/21 08:24           | 12/01/21 09:59        | ABL                                   | Mt. Juliet, TN                       |
| Metals (ICP) by Method 6010B                       | WG1785689 | 1        | 12/08/21 00:49           | 12/10/21 22:05        | KMG                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1779333 | 1        | 11/24/21 04:06           | 11/24/21 04:06        | BMB                                   | Mt. Juliet, TN                       |
| Pesticides (GC) by Method 8081                     | WG1778039 | 1        | 11/22/21 19:21           | 11/23/21 09:07        | AO                                    | Mt. Juliet, TN                       |

# SAMPLE SUMMARY

## FIELD BLANK L1432776-09 GW

|                                                    |           |          |                          | Collected by<br>MA/WW | Collected date/time<br>11/17/21 14:35 | Received date/time<br>11/18/21 09:30 |
|----------------------------------------------------|-----------|----------|--------------------------|-----------------------|---------------------------------------|--------------------------------------|
| Method                                             | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analyst                               | Location                             |
| Gravimetric Analysis by Method 2540 C-2011         | WG1779723 | 1        | 11/24/21 11:12           | 11/24/21 15:02        | BRG                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 1664A                      | WG1780251 | 1        | 11/24/21 13:02           | 11/26/21 12:20        | ERK                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1776819 | 1        | 11/18/21 20:44           | 11/18/21 20:44        | ELN                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9060A                      | WG1778485 | 1        | 11/23/21 03:34           | 11/23/21 03:34        | MJA                                   | Mt. Juliet, TN                       |
| Mercury by Method 7470A                            | WG1778226 | 1        | 11/30/21 08:24           | 12/01/21 10:01        | ABL                                   | Mt. Juliet, TN                       |
| Metals (ICP) by Method 6010B                       | WG1785689 | 1        | 12/08/21 00:49           | 12/10/21 22:07        | KMG                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1779333 | 1        | 11/24/21 04:27           | 11/24/21 04:27        | BMB                                   | Mt. Juliet, TN                       |
| Pesticides (GC) by Method 8081                     | WG1778039 | 1        | 11/22/21 19:21           | 11/23/21 09:16        | AO                                    | Mt. Juliet, TN                       |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

## LEACHATE L1432776-10 GW

|                                                    |           |          |                          | Collected by<br>MA/WW | Collected date/time<br>11/17/21 15:15 | Received date/time<br>11/18/21 09:30 |
|----------------------------------------------------|-----------|----------|--------------------------|-----------------------|---------------------------------------|--------------------------------------|
| Method                                             | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analyst                               | Location                             |
| Gravimetric Analysis by Method 2540 C-2011         | WG1779725 | 1        | 11/24/21 11:14           | 11/24/21 16:11        | BRG                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 1664A                      | WG1780251 | 1        | 11/24/21 13:02           | 11/26/21 12:20        | ERK                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1776819 | 1        | 11/18/21 21:32           | 11/18/21 21:32        | ELN                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1776819 | 5        | 11/18/21 21:48           | 11/18/21 21:48        | ELN                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9060A                      | WG1778485 | 1        | 11/23/21 03:58           | 11/23/21 03:58        | MJA                                   | Mt. Juliet, TN                       |
| Mercury by Method 7470A                            | WG1782188 | 1        | 12/01/21 11:30           | 12/03/21 08:42        | ABL                                   | Mt. Juliet, TN                       |
| Metals (ICP) by Method 6010B                       | WG1786195 | 1        | 12/08/21 15:38           | 12/11/21 01:45        | KMG                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1779333 | 1        | 11/24/21 04:49           | 11/24/21 04:49        | BMB                                   | Mt. Juliet, TN                       |
| Pesticides (GC) by Method 8081                     | WG1778039 | 1        | 11/22/21 19:21           | 11/23/21 09:25        | AO                                    | Mt. Juliet, TN                       |

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

## MW-8 L1432776-11 GW

|                                                    |           |          |                          | Collected by<br>MA/WW | Collected date/time<br>11/17/21 11:04 | Received date/time<br>11/18/21 09:30 |
|----------------------------------------------------|-----------|----------|--------------------------|-----------------------|---------------------------------------|--------------------------------------|
| Method                                             | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analyst                               | Location                             |
| Gravimetric Analysis by Method 2540 C-2011         | WG1779721 | 1        | 11/24/21 11:10           | 11/24/21 13:08        | MMF                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 1664A                      | WG1780251 | 1        | 11/24/21 13:02           | 11/26/21 12:20        | ERK                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1776819 | 1        | 11/18/21 22:43           | 11/18/21 22:43        | ELN                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1779149 | 10       | 11/23/21 22:03           | 11/23/21 22:03        | ELN                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9060A                      | WG1778485 | 1        | 11/23/21 04:12           | 11/23/21 04:12        | MJA                                   | Mt. Juliet, TN                       |
| Mercury by Method 7470A                            | WG1778226 | 1        | 11/30/21 08:24           | 12/01/21 10:03        | ABL                                   | Mt. Juliet, TN                       |
| Metals (ICP) by Method 6010B                       | WG1786195 | 1        | 12/08/21 15:38           | 12/11/21 01:30        | KMG                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1780019 | 1        | 11/25/21 10:02           | 11/25/21 10:02        | JHH                                   | Mt. Juliet, TN                       |
| Pesticides (GC) by Method 8081                     | WG1778039 | 1        | 11/22/21 19:21           | 11/23/21 09:34        | AO                                    | Mt. Juliet, TN                       |

## MW-9 L1432776-12 GW

|                                                    |           |          |                          | Collected by<br>MA/WW | Collected date/time<br>11/17/21 14:15 | Received date/time<br>11/18/21 09:30 |
|----------------------------------------------------|-----------|----------|--------------------------|-----------------------|---------------------------------------|--------------------------------------|
| Method                                             | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analyst                               | Location                             |
| Gravimetric Analysis by Method 2540 C-2011         | WG1779332 | 1        | 11/23/21 18:00           | 11/23/21 19:01        | MEU                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 1664A                      | WG1780251 | 1        | 11/24/21 13:02           | 11/26/21 12:20        | ERK                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1776819 | 1        | 11/18/21 23:15           | 11/18/21 23:15        | ELN                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9056A                      | WG1776819 | 10       | 11/18/21 23:31           | 11/18/21 23:31        | ELN                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 9060A                      | WG1778485 | 1        | 11/23/21 04:26           | 11/23/21 04:26        | MJA                                   | Mt. Juliet, TN                       |
| Mercury by Method 7470A                            | WG1778226 | 1        | 11/30/21 08:24           | 12/01/21 10:05        | ABL                                   | Mt. Juliet, TN                       |
| Metals (ICP) by Method 6010B                       | WG1786195 | 1        | 12/08/21 15:38           | 12/11/21 01:48        | KMG                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1780019 | 1        | 11/25/21 10:21           | 11/25/21 10:21        | JHH                                   | Mt. Juliet, TN                       |
| Pesticides (GC) by Method 8081                     | WG1778039 | 1        | 11/22/21 19:21           | 11/23/21 09:42        | AO                                    | Mt. Juliet, TN                       |

## SAMPLE SUMMARY

## EQUIPMENT BLANK L1432776-13 GW

|              |                     |                    |
|--------------|---------------------|--------------------|
| Collected by | Collected date/time | Received date/time |
| MA/WW        | 11/17/21 14:30      | 11/18/21 09:30     |

|                     |                    |
|---------------------|--------------------|
| Collected date/time | Received date/time |
| 11/17/21 14:30      | 11/18/21 09:30     |

Received date/time  
11/18/21 09:30

| Method                                             | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1780019 | 1        | 11/25/21 10:40        | 11/25/21 10:40     | JHH     | Mt. Juliet, TN |

TRIP BLANK L1432776-14 GW

|              |                     |                    |
|--------------|---------------------|--------------------|
| Collected by | Collected date/time | Received date/time |
| MA/WW        | 11/17/21 00:00      | 11/18/21 09:30     |

|                     |                    |
|---------------------|--------------------|
| Collected date/time | Received date/time |
| 11/17/21 00:00      | 11/18/21 09:30     |

Received date/time  
11/18/21 09:30

| Method                                             | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1780019 | 1        | 11/25/21 09:43        | 11/25/21 09:43     | JHH     | Mt. Juliet, TN |

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

# 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.

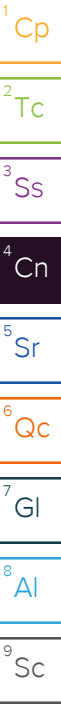


Mark W. Beasley  
Project Manager

## Sample Delivery Group (SDG) Narrative

The following analysis were performed from an unpreserved, insufficiently or inadequately preserved sample.

| <u>Lab Sample ID</u>        | <u>Project Sample ID</u> | <u>Method</u> |
|-----------------------------|--------------------------|---------------|
| <a href="#">L1432776-10</a> | <a href="#">LEACHATE</a> | 9060A, 1664A  |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result<br>ug/l | Qualifier | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Dissolved Solids | 2290000        |           | 50000       | 1        | 11/24/2021 15:02        | <a href="#">WG1779723</a> |

## Wet Chemistry by Method 1664A

| Analyte            | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|--------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| TPH - Oil & Grease | U              |           | 806         | 5560        | 1        | 11/26/2021 12:20        | <a href="#">WG1780251</a> |

## Sample Narrative:

L1432776-01 WG1780251: Total Oil&Grease is non-detect. Extract was not processed through silica gel.

## Wet Chemistry by Method 9056A

| Analyte  | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|----------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Chloride | 878000         |           | 3790        | 10000       | 10       | 11/18/2021 16:13        | <a href="#">WG1776819</a> |
| Fluoride | 193            |           | 64.0        | 150         | 1        | 11/18/2021 15:42        | <a href="#">WG1776819</a> |
| Nitrate  | 254            |           | 48.0        | 100         | 1        | 11/18/2021 15:42        | <a href="#">WG1776819</a> |
| Sulfate  | 292000         |           | 5940        | 50000       | 10       | 11/18/2021 16:13        | <a href="#">WG1776819</a> |

## Wet Chemistry by Method 9060A

| Analyte                    | Result<br>ug/l | Qualifier         | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|----------------------------|----------------|-------------------|-------------|-------------|----------|-------------------------|---------------------------|
| TOC (Total Organic Carbon) | 1370           | <a href="#">B</a> | 102         | 1000        | 1        | 11/22/2021 23:24        | <a href="#">WG1778485</a> |

## Mercury by Method 7470A

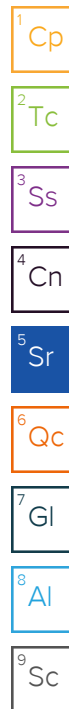
| Analyte | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|---------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Mercury | U              |           | 0.100       | 0.200       | 1        | 11/29/2021 08:53        | <a href="#">WG1778225</a> |

## Metals (ICP) by Method 6010B

| Analyte   | Result<br>ug/l | Qualifier           | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|-----------|----------------|---------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Arsenic   | U              |                     | 4.40        | 10.0        | 1        | 12/10/2021 21:38        | <a href="#">WG1785689</a> |
| Barium    | 71.2           |                     | 0.736       | 5.00        | 1        | 12/10/2021 21:38        | <a href="#">WG1785689</a> |
| Cadmium   | U              |                     | 0.479       | 2.00        | 1        | 12/10/2021 21:38        | <a href="#">WG1785689</a> |
| Chromium  | 4.03           | <a href="#">B J</a> | 1.40        | 10.0        | 1        | 12/10/2021 21:38        | <a href="#">WG1785689</a> |
| Copper    | 6.32           | <a href="#">B J</a> | 3.68        | 10.0        | 1        | 12/10/2021 21:38        | <a href="#">WG1785689</a> |
| Iron      | 107            |                     | 18.0        | 100         | 1        | 12/10/2021 21:38        | <a href="#">WG1785689</a> |
| Lead      | U              |                     | 2.99        | 6.00        | 1        | 12/10/2021 21:38        | <a href="#">WG1785689</a> |
| Manganese | 5.52           | <a href="#">J</a>   | 0.934       | 10.0        | 1        | 12/10/2021 21:38        | <a href="#">WG1785689</a> |
| Selenium  | U              |                     | 7.35        | 10.0        | 1        | 12/10/2021 21:38        | <a href="#">WG1785689</a> |
| Silver    | U              |                     | 1.54        | 5.00        | 1        | 12/10/2021 21:38        | <a href="#">WG1785689</a> |
| Zinc      | 6.65           | <a href="#">J</a>   | 6.52        | 50.0        | 1        | 12/10/2021 21:38        | <a href="#">WG1785689</a> |

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

| Analyte               | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|-----------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Benzene               | U              |           | 0.0941      | 1.00        | 1        | 11/24/2021 01:33        | <a href="#">WG1779333</a> |
| Carbon tetrachloride  | U              |           | 0.128       | 1.00        | 1        | 11/24/2021 01:33        | <a href="#">WG1779333</a> |
| 1,4-Dichlorobenzene   | U              |           | 0.120       | 1.00        | 1        | 11/24/2021 01:33        | <a href="#">WG1779333</a> |
| 1,2-Dichloroethane    | U              |           | 0.0819      | 1.00        | 1        | 11/24/2021 01:33        | <a href="#">WG1779333</a> |
| 1,1-Dichloroethene    | U              |           | 0.188       | 1.00        | 1        | 11/24/2021 01:33        | <a href="#">WG1779333</a> |
| 1,1,1-Trichloroethane | U              |           | 0.149       | 1.00        | 1        | 11/24/2021 01:33        | <a href="#">WG1779333</a> |
| Trichloroethene       | U              |           | 0.190       | 1.00        | 1        | 11/24/2021 01:33        | <a href="#">WG1779333</a> |



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

| Analyte                   | Result<br>ug/l | <u>Qualifier</u> | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | <u>Batch</u>              |
|---------------------------|----------------|------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Vinyl chloride            | U              |                  | 0.234       | 1.00        | 1        | 11/24/2021 01:33        | <a href="#">WG1779333</a> |
| (S) Toluene-d8            | 111            |                  |             | 80.0-120    |          | 11/24/2021 01:33        | <a href="#">WG1779333</a> |
| (S) 4-Bromofluorobenzene  | 93.9           |                  |             | 77.0-126    |          | 11/24/2021 01:33        | <a href="#">WG1779333</a> |
| (S) 1,2-Dichloroethane-d4 | 124            |                  |             | 70.0-130    |          | 11/24/2021 01:33        | <a href="#">WG1779333</a> |

## Pesticides (GC) by Method 8081

| Analyte                  | Result<br>ug/l | <u>Qualifier</u> | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | <u>Batch</u>              |
|--------------------------|----------------|------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Gamma BHC                | U              |                  | 0.0209      | 0.0500      | 1        | 11/22/2021 11:07        | <a href="#">WG1777563</a> |
| (S) Decachlorobiphenyl   | 109            |                  |             | 10.0-128    |          | 11/22/2021 11:07        | <a href="#">WG1777563</a> |
| (S) Tetrachloro-m-xylene | 96.4           |                  |             | 10.0-127    |          | 11/22/2021 11:07        | <a href="#">WG1777563</a> |

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

## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result<br>ug/l | Qualifier | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Dissolved Solids | 9860000        |           | 200000      | 1        | 11/24/2021 13:08        | <a href="#">WG1779721</a> |

## Wet Chemistry by Method 1664A

| Analyte            | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|--------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| TPH - Oil & Grease | U              |           | 806         | 5560        | 1        | 11/26/2021 12:20        | <a href="#">WG1780251</a> |

## Sample Narrative:

L1432776-02 WG1780251: Total Oil&Grease is non-detect. Extract was not processed through silica gel.

## Wet Chemistry by Method 9056A

| Analyte  | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|----------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Chloride | 3980000        |           | 37900       | 100000      | 100      | 11/18/2021 16:45        | <a href="#">WG1776819</a> |
| Fluoride | U              |           | 640         | 1500        | 10       | 11/18/2021 16:29        | <a href="#">WG1776819</a> |
| Nitrate  | U              |           | 480         | 1000        | 10       | 11/18/2021 16:29        | <a href="#">WG1776819</a> |
| Sulfate  | 1930000        |           | 59400       | 500000      | 100      | 11/18/2021 16:45        | <a href="#">WG1776819</a> |

## Wet Chemistry by Method 9060A

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| TOC (Total Organic Carbon) | 17400          |           | 102         | 1000        | 1        | 11/23/2021 00:21        | <a href="#">WG1778485</a> |

## Mercury by Method 7470A

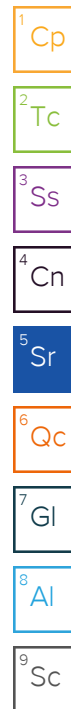
| Analyte | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|---------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Mercury | U              |           | 0.100       | 0.200       | 1        | 11/29/2021 08:55        | <a href="#">WG1778225</a> |

## Metals (ICP) by Method 6010B

| Analyte   | Result<br>ug/l | Qualifier           | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|-----------|----------------|---------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Arsenic   | 16.9           |                     | 4.40        | 10.0        | 1        | 12/10/2021 21:42        | <a href="#">WG1785689</a> |
| Barium    | 29.6           |                     | 0.736       | 5.00        | 1        | 12/10/2021 21:42        | <a href="#">WG1785689</a> |
| Cadmium   | U              |                     | 0.479       | 2.00        | 1        | 12/10/2021 21:42        | <a href="#">WG1785689</a> |
| Chromium  | 1.44           | <a href="#">B J</a> | 1.40        | 10.0        | 1        | 12/10/2021 21:42        | <a href="#">WG1785689</a> |
| Copper    | 4.96           | <a href="#">B J</a> | 3.68        | 10.0        | 1        | 12/10/2021 21:42        | <a href="#">WG1785689</a> |
| Iron      | 441            |                     | 18.0        | 100         | 1        | 12/10/2021 21:42        | <a href="#">WG1785689</a> |
| Lead      | U              |                     | 2.99        | 6.00        | 1        | 12/10/2021 21:42        | <a href="#">WG1785689</a> |
| Manganese | 598            |                     | 0.934       | 10.0        | 1        | 12/10/2021 21:42        | <a href="#">WG1785689</a> |
| Selenium  | 16.6           |                     | 7.35        | 10.0        | 1        | 12/11/2021 17:54        | <a href="#">WG1785689</a> |
| Silver    | U              |                     | 1.54        | 5.00        | 1        | 12/10/2021 21:42        | <a href="#">WG1785689</a> |
| Zinc      | 9.69           | <a href="#">J</a>   | 6.52        | 50.0        | 1        | 12/10/2021 21:42        | <a href="#">WG1785689</a> |

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

| Analyte               | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|-----------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Benzene               | U              |           | 0.0941      | 1.00        | 1        | 11/24/2021 01:55        | <a href="#">WG1779333</a> |
| Carbon tetrachloride  | U              |           | 0.128       | 1.00        | 1        | 11/24/2021 01:55        | <a href="#">WG1779333</a> |
| 1,4-Dichlorobenzene   | U              |           | 0.120       | 1.00        | 1        | 11/24/2021 01:55        | <a href="#">WG1779333</a> |
| 1,2-Dichloroethane    | U              |           | 0.0819      | 1.00        | 1        | 11/24/2021 01:55        | <a href="#">WG1779333</a> |
| 1,1-Dichloroethene    | U              |           | 0.188       | 1.00        | 1        | 11/24/2021 01:55        | <a href="#">WG1779333</a> |
| 1,1,1-Trichloroethane | U              |           | 0.149       | 1.00        | 1        | 11/24/2021 01:55        | <a href="#">WG1779333</a> |
| Trichloroethene       | U              |           | 0.190       | 1.00        | 1        | 11/24/2021 01:55        | <a href="#">WG1779333</a> |



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

| Analyte                   | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|---------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Vinyl chloride            | U              |           | 0.234       | 1.00        | 1        | 11/24/2021 01:55        | <a href="#">WG1779333</a> |
| (S) Toluene-d8            | 115            |           |             | 80.0-120    |          | 11/24/2021 01:55        | <a href="#">WG1779333</a> |
| (S) 4-Bromofluorobenzene  | 97.2           |           |             | 77.0-126    |          | 11/24/2021 01:55        | <a href="#">WG1779333</a> |
| (S) 1,2-Dichloroethane-d4 | 127            |           |             | 70.0-130    |          | 11/24/2021 01:55        | <a href="#">WG1779333</a> |

## Pesticides (GC) by Method 8081

| Analyte                  | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|--------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Gamma BHC                | U              |           | 0.0209      | 0.0500      | 1        | 11/22/2021 11:16        | <a href="#">WG1777563</a> |
| (S) Decachlorobiphenyl   | 107            |           |             | 10.0-128    |          | 11/22/2021 11:16        | <a href="#">WG1777563</a> |
| (S) Tetrachloro-m-xylene | 93.2           |           |             | 10.0-127    |          | 11/22/2021 11:16        | <a href="#">WG1777563</a> |

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

## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result<br>ug/l | Qualifier | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Dissolved Solids | 3430000        |           | 50000       | 1        | 11/24/2021 13:08        | <a href="#">WG1779721</a> |

## Wet Chemistry by Method 1664A

| Analyte            | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|--------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| TPH - Oil & Grease | U              |           | 725         | 5000        | 1        | 11/26/2021 12:20        | <a href="#">WG1780251</a> |

## Sample Narrative:

L1432776-03 WG1780251: Total Oil&Grease is non-detect. Extract was not processed through silica gel.

## Wet Chemistry by Method 9056A

| Analyte  | Result<br>ug/l | Qualifier         | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|----------|----------------|-------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Chloride | 1230000        |                   | 37900       | 100000      | 100      | 11/18/2021 17:17        | <a href="#">WG1776819</a> |
| Fluoride | U              |                   | 640         | 1500        | 10       | 11/18/2021 17:01        | <a href="#">WG1776819</a> |
| Nitrate  | 609            | <a href="#">J</a> | 480         | 1000        | 10       | 11/18/2021 17:01        | <a href="#">WG1776819</a> |
| Sulfate  | 899000         |                   | 5940        | 50000       | 10       | 11/18/2021 17:01        | <a href="#">WG1776819</a> |

## Wet Chemistry by Method 9060A

| Analyte                    | Result<br>ug/l | Qualifier         | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|----------------------------|----------------|-------------------|-------------|-------------|----------|-------------------------|---------------------------|
| TOC (Total Organic Carbon) | 1770           | <a href="#">B</a> | 102         | 1000        | 1        | 11/23/2021 00:53        | <a href="#">WG1778485</a> |

## Mercury by Method 7470A

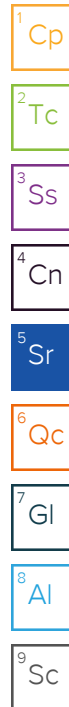
| Analyte | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|---------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Mercury | U              |           | 0.100       | 0.200       | 1        | 11/29/2021 08:58        | <a href="#">WG1778225</a> |

## Metals (ICP) by Method 6010B

| Analyte   | Result<br>ug/l | Qualifier           | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|-----------|----------------|---------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Arsenic   | U              |                     | 4.40        | 10.0        | 1        | 12/10/2021 21:45        | <a href="#">WG1785689</a> |
| Barium    | 28.9           |                     | 0.736       | 5.00        | 1        | 12/10/2021 21:45        | <a href="#">WG1785689</a> |
| Cadmium   | U              |                     | 0.479       | 2.00        | 1        | 12/10/2021 21:45        | <a href="#">WG1785689</a> |
| Chromium  | 2.90           | <a href="#">B J</a> | 1.40        | 10.0        | 1        | 12/10/2021 21:45        | <a href="#">WG1785689</a> |
| Copper    | 12.6           | <a href="#">B</a>   | 3.68        | 10.0        | 1        | 12/10/2021 21:45        | <a href="#">WG1785689</a> |
| Iron      | 467            |                     | 18.0        | 100         | 1        | 12/10/2021 21:45        | <a href="#">WG1785689</a> |
| Lead      | U              |                     | 2.99        | 6.00        | 1        | 12/10/2021 21:45        | <a href="#">WG1785689</a> |
| Manganese | 370            |                     | 0.934       | 10.0        | 1        | 12/10/2021 21:45        | <a href="#">WG1785689</a> |
| Selenium  | U              |                     | 7.35        | 10.0        | 1        | 12/10/2021 21:45        | <a href="#">WG1785689</a> |
| Silver    | U              |                     | 1.54        | 5.00        | 1        | 12/10/2021 21:45        | <a href="#">WG1785689</a> |
| Zinc      | 16.3           | <a href="#">J</a>   | 6.52        | 50.0        | 1        | 12/10/2021 21:45        | <a href="#">WG1785689</a> |

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

| Analyte               | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|-----------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Benzene               | U              |           | 0.0941      | 1.00        | 1        | 11/24/2021 02:16        | <a href="#">WG1779333</a> |
| Carbon tetrachloride  | U              |           | 0.128       | 1.00        | 1        | 11/24/2021 02:16        | <a href="#">WG1779333</a> |
| 1,4-Dichlorobenzene   | U              |           | 0.120       | 1.00        | 1        | 11/24/2021 02:16        | <a href="#">WG1779333</a> |
| 1,2-Dichloroethane    | U              |           | 0.0819      | 1.00        | 1        | 11/24/2021 02:16        | <a href="#">WG1779333</a> |
| 1,1-Dichloroethene    | U              |           | 0.188       | 1.00        | 1        | 11/24/2021 02:16        | <a href="#">WG1779333</a> |
| 1,1,1-Trichloroethane | U              |           | 0.149       | 1.00        | 1        | 11/24/2021 02:16        | <a href="#">WG1779333</a> |
| Trichloroethene       | U              |           | 0.190       | 1.00        | 1        | 11/24/2021 02:16        | <a href="#">WG1779333</a> |



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

| Analyte                   | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|---------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Vinyl chloride            | U              |           | 0.234       | 1.00        | 1        | 11/24/2021 02:16        | <a href="#">WG1779333</a> |
| (S) Toluene-d8            | 115            |           |             | 80.0-120    |          | 11/24/2021 02:16        | <a href="#">WG1779333</a> |
| (S) 4-Bromofluorobenzene  | 94.6           |           |             | 77.0-126    |          | 11/24/2021 02:16        | <a href="#">WG1779333</a> |
| (S) 1,2-Dichloroethane-d4 | 122            |           |             | 70.0-130    |          | 11/24/2021 02:16        | <a href="#">WG1779333</a> |

## Pesticides (GC) by Method 8081

| Analyte                  | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|--------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Gamma BHC                | 0.0221         | <u>J</u>  | 0.0209      | 0.0500      | 1        | 11/22/2021 11:25        | <a href="#">WG1777563</a> |
| (S) Decachlorobiphenyl   | 101            |           |             | 10.0-128    |          | 11/22/2021 11:25        | <a href="#">WG1777563</a> |
| (S) Tetrachloro-m-xylene | 92.9           |           |             | 10.0-127    |          | 11/22/2021 11:25        | <a href="#">WG1777563</a> |

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

## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result<br>ug/l | Qualifier | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Dissolved Solids | 4590000        |           | 100000      | 1        | 11/24/2021 15:02        | <a href="#">WG1779723</a> |

## Wet Chemistry by Method 1664A

| Analyte            | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|--------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| TPH - Oil & Grease | U              |           | 806         | 5560        | 1        | 11/26/2021 12:20        | <a href="#">WG1780251</a> |

## Sample Narrative:

L1432776-04 WG1780251: Total Oil&Grease is non-detect. Extract was not processed through silica gel.

## Wet Chemistry by Method 9056A

| Analyte  | Result<br>ug/l | Qualifier         | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|----------|----------------|-------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Chloride | 1150000        |                   | 37900       | 100000      | 100      | 11/18/2021 17:33        | <a href="#">WG1776819</a> |
| Fluoride | 641            | <a href="#">J</a> | 640         | 1500        | 10       | 11/18/2021 18:21        | <a href="#">WG1776819</a> |
| Nitrate  | U              |                   | 480         | 1000        | 10       | 11/18/2021 18:21        | <a href="#">WG1776819</a> |
| Sulfate  | 1650000        |                   | 59400       | 500000      | 100      | 11/18/2021 17:33        | <a href="#">WG1776819</a> |

## Wet Chemistry by Method 9060A

| Analyte                    | Result<br>ug/l | Qualifier           | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|----------------------------|----------------|---------------------|-------------|-------------|----------|-------------------------|---------------------------|
| TOC (Total Organic Carbon) | 926            | <a href="#">B J</a> | 102         | 1000        | 1        | 11/23/2021 01:07        | <a href="#">WG1778485</a> |

## Mercury by Method 7470A

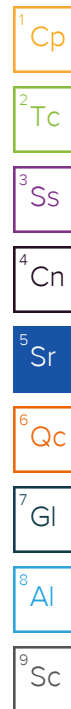
| Analyte | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|---------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Mercury | U              |           | 0.100       | 0.200       | 1        | 12/01/2021 09:51        | <a href="#">WG1778226</a> |

## Metals (ICP) by Method 6010B

| Analyte   | Result<br>ug/l | Qualifier           | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|-----------|----------------|---------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Arsenic   | U              |                     | 4.40        | 10.0        | 1        | 12/10/2021 21:48        | <a href="#">WG1785689</a> |
| Barium    | 16.5           |                     | 0.736       | 5.00        | 1        | 12/10/2021 21:48        | <a href="#">WG1785689</a> |
| Cadmium   | U              |                     | 0.479       | 2.00        | 1        | 12/10/2021 21:48        | <a href="#">WG1785689</a> |
| Chromium  | 4.59           | <a href="#">B J</a> | 1.40        | 10.0        | 1        | 12/10/2021 21:48        | <a href="#">WG1785689</a> |
| Copper    | 10.5           | <a href="#">B</a>   | 3.68        | 10.0        | 1        | 12/10/2021 21:48        | <a href="#">WG1785689</a> |
| Iron      | 203            |                     | 18.0        | 100         | 1        | 12/10/2021 21:48        | <a href="#">WG1785689</a> |
| Lead      | U              |                     | 2.99        | 6.00        | 1        | 12/10/2021 21:48        | <a href="#">WG1785689</a> |
| Manganese | 8.25           | <a href="#">J</a>   | 0.934       | 10.0        | 1        | 12/10/2021 21:48        | <a href="#">WG1785689</a> |
| Selenium  | U              |                     | 7.35        | 10.0        | 1        | 12/10/2021 21:48        | <a href="#">WG1785689</a> |
| Silver    | U              |                     | 1.54        | 5.00        | 1        | 12/10/2021 21:48        | <a href="#">WG1785689</a> |
| Zinc      | 14.5           | <a href="#">J</a>   | 6.52        | 50.0        | 1        | 12/10/2021 21:48        | <a href="#">WG1785689</a> |

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

| Analyte               | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|-----------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Benzene               | U              |           | 0.0941      | 1.00        | 1        | 11/24/2021 02:38        | <a href="#">WG1779333</a> |
| Carbon tetrachloride  | U              |           | 0.128       | 1.00        | 1        | 11/24/2021 02:38        | <a href="#">WG1779333</a> |
| 1,4-Dichlorobenzene   | U              |           | 0.120       | 1.00        | 1        | 11/24/2021 02:38        | <a href="#">WG1779333</a> |
| 1,2-Dichloroethane    | U              |           | 0.0819      | 1.00        | 1        | 11/24/2021 02:38        | <a href="#">WG1779333</a> |
| 1,1-Dichloroethene    | U              |           | 0.188       | 1.00        | 1        | 11/24/2021 02:38        | <a href="#">WG1779333</a> |
| 1,1,1-Trichloroethane | U              |           | 0.149       | 1.00        | 1        | 11/24/2021 02:38        | <a href="#">WG1779333</a> |
| Trichloroethene       | U              |           | 0.190       | 1.00        | 1        | 11/24/2021 02:38        | <a href="#">WG1779333</a> |



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

| Analyte                   | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|---------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Vinyl chloride            | U              |           | 0.234       | 1.00        | 1        | 11/24/2021 02:38        | <a href="#">WG1779333</a> |
| (S) Toluene-d8            | 112            |           |             | 80.0-120    |          | 11/24/2021 02:38        | <a href="#">WG1779333</a> |
| (S) 4-Bromofluorobenzene  | 93.8           |           |             | 77.0-126    |          | 11/24/2021 02:38        | <a href="#">WG1779333</a> |
| (S) 1,2-Dichloroethane-d4 | 125            |           |             | 70.0-130    |          | 11/24/2021 02:38        | <a href="#">WG1779333</a> |

Pesticides (GC) by Method 8081

| Analyte                  | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|--------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Gamma BHC                | 0.0219         | <u>J</u>  | 0.0209      | 0.0500      | 1        | 11/22/2021 11:33        | <a href="#">WG1777563</a> |
| (S) Decachlorobiphenyl   | 102            |           |             | 10.0-128    |          | 11/22/2021 11:33        | <a href="#">WG1777563</a> |
| (S) Tetrachloro-m-xylene | 99.5           |           |             | 10.0-127    |          | 11/22/2021 11:33        | <a href="#">WG1777563</a> |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result<br>ug/l | Qualifier | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Dissolved Solids | 2690000        |           | 50000       | 1        | 11/24/2021 15:02        | <a href="#">WG1779723</a> |

## Wet Chemistry by Method 1664A

| Analyte            | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|--------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| TPH - Oil & Grease | U              |           | 806         | 5560        | 1        | 11/26/2021 12:20        | <a href="#">WG1780251</a> |

## Sample Narrative:

L1432776-05 WG1780251: Total Oil&Grease is non-detect. Extract was not processed through silica gel.

## Wet Chemistry by Method 9056A

| Analyte  | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|----------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Chloride | 753000         |           | 7580        | 20000       | 20       | 11/18/2021 18:53        | <a href="#">WG1776819</a> |
| Fluoride | 180            |           | 64.0        | 150         | 1        | 11/18/2021 18:37        | <a href="#">WG1776819</a> |
| Nitrate  | 67.7           | J         | 48.0        | 100         | 1        | 11/18/2021 18:37        | <a href="#">WG1776819</a> |
| Sulfate  | 795000         |           | 11900       | 100000      | 20       | 11/18/2021 18:53        | <a href="#">WG1776819</a> |

## Wet Chemistry by Method 9060A

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| TOC (Total Organic Carbon) | 4760           |           | 102         | 1000        | 1        | 11/23/2021 01:22        | <a href="#">WG1778485</a> |

## Mercury by Method 7470A

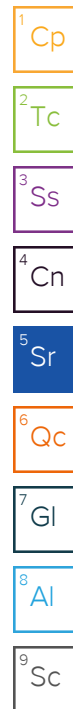
| Analyte | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|---------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Mercury | U              |           | 0.100       | 0.200       | 1        | 12/01/2021 09:53        | <a href="#">WG1778226</a> |

## Metals (ICP) by Method 6010B

| Analyte   | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|-----------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Arsenic   | 10.2           |           | 4.40        | 10.0        | 1        | 12/10/2021 21:51        | <a href="#">WG1785689</a> |
| Barium    | 31.0           |           | 0.736       | 5.00        | 1        | 12/10/2021 21:51        | <a href="#">WG1785689</a> |
| Cadmium   | 0.761          | J         | 0.479       | 2.00        | 1        | 12/10/2021 21:51        | <a href="#">WG1785689</a> |
| Chromium  | 2.13           | B J       | 1.40        | 10.0        | 1        | 12/10/2021 21:51        | <a href="#">WG1785689</a> |
| Copper    | 15.8           | B         | 3.68        | 10.0        | 1        | 12/10/2021 21:51        | <a href="#">WG1785689</a> |
| Iron      | 314            |           | 18.0        | 100         | 1        | 12/10/2021 21:51        | <a href="#">WG1785689</a> |
| Lead      | U              |           | 2.99        | 6.00        | 1        | 12/10/2021 21:51        | <a href="#">WG1785689</a> |
| Manganese | 382            |           | 0.934       | 10.0        | 1        | 12/10/2021 21:51        | <a href="#">WG1785689</a> |
| Selenium  | U              |           | 7.35        | 10.0        | 1        | 12/10/2021 21:51        | <a href="#">WG1785689</a> |
| Silver    | U              |           | 1.54        | 5.00        | 1        | 12/10/2021 21:51        | <a href="#">WG1785689</a> |
| Zinc      | 34.3           | J         | 6.52        | 50.0        | 1        | 12/10/2021 21:51        | <a href="#">WG1785689</a> |

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

| Analyte               | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|-----------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Benzene               | U              |           | 0.0941      | 1.00        | 1        | 11/24/2021 03:00        | <a href="#">WG1779333</a> |
| Carbon tetrachloride  | U              |           | 0.128       | 1.00        | 1        | 11/24/2021 03:00        | <a href="#">WG1779333</a> |
| 1,4-Dichlorobenzene   | U              |           | 0.120       | 1.00        | 1        | 11/24/2021 03:00        | <a href="#">WG1779333</a> |
| 1,2-Dichloroethane    | U              |           | 0.0819      | 1.00        | 1        | 11/24/2021 03:00        | <a href="#">WG1779333</a> |
| 1,1-Dichloroethene    | U              |           | 0.188       | 1.00        | 1        | 11/24/2021 03:00        | <a href="#">WG1779333</a> |
| 1,1,1-Trichloroethane | U              |           | 0.149       | 1.00        | 1        | 11/24/2021 03:00        | <a href="#">WG1779333</a> |
| Trichloroethene       | U              |           | 0.190       | 1.00        | 1        | 11/24/2021 03:00        | <a href="#">WG1779333</a> |



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

| Analyte                   | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|---------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Vinyl chloride            | U              |           | 0.234       | 1.00        | 1        | 11/24/2021 03:00        | <a href="#">WG1779333</a> |
| (S) Toluene-d8            | 116            |           |             | 80.0-120    |          | 11/24/2021 03:00        | <a href="#">WG1779333</a> |
| (S) 4-Bromofluorobenzene  | 95.7           |           |             | 77.0-126    |          | 11/24/2021 03:00        | <a href="#">WG1779333</a> |
| (S) 1,2-Dichloroethane-d4 | 126            |           |             | 70.0-130    |          | 11/24/2021 03:00        | <a href="#">WG1779333</a> |

## Pesticides (GC) by Method 8081

| Analyte                  | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|--------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Gamma BHC                | 0.0434         | <u>J</u>  | 0.0209      | 0.0500      | 1        | 11/22/2021 11:42        | <a href="#">WG1777563</a> |
| (S) Decachlorobiphenyl   | 94.5           |           |             | 10.0-128    |          | 11/22/2021 11:42        | <a href="#">WG1777563</a> |
| (S) Tetrachloro-m-xylene | 101            |           |             | 10.0-127    |          | 11/22/2021 11:42        | <a href="#">WG1777563</a> |

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

## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result<br>ug/l | Qualifier | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Dissolved Solids | 360000         |           | 10000       | 1        | 11/24/2021 13:08        | <a href="#">WG1779721</a> |

## Wet Chemistry by Method 1664A

| Analyte            | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|--------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| TPH - Oil & Grease | U              |           | 806         | 5560        | 1        | 11/26/2021 12:20        | <a href="#">WG1780251</a> |

## Sample Narrative:

L1432776-06 WG1780251: Total Oil&Grease is non-detect. Extract was not processed through silica gel.

## Wet Chemistry by Method 9056A

| Analyte  | Result<br>ug/l | Qualifier         | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|----------|----------------|-------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Chloride | 26800          |                   | 379         | 1000        | 1        | 11/18/2021 19:09        | <a href="#">WG1776819</a> |
| Fluoride | 67.4           | <a href="#">J</a> | 64.0        | 150         | 1        | 11/18/2021 19:09        | <a href="#">WG1776819</a> |
| Nitrate  | U              |                   | 48.0        | 100         | 1        | 11/18/2021 19:09        | <a href="#">WG1776819</a> |
| Sulfate  | 152000         |                   | 5940        | 50000       | 10       | 11/18/2021 19:25        | <a href="#">WG1776819</a> |

## Wet Chemistry by Method 9060A

| Analyte                    | Result<br>ug/l | Qualifier         | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|----------------------------|----------------|-------------------|-------------|-------------|----------|-------------------------|---------------------------|
| TOC (Total Organic Carbon) | 1940           | <a href="#">B</a> | 102         | 1000        | 1        | 11/23/2021 01:36        | <a href="#">WG1778485</a> |

## Mercury by Method 7470A

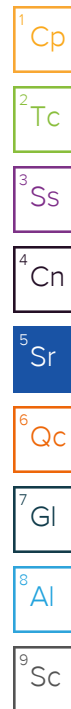
| Analyte | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|---------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Mercury | U              |           | 0.100       | 0.200       | 1        | 12/01/2021 09:55        | <a href="#">WG1778226</a> |

## Metals (ICP) by Method 6010B

| Analyte   | Result<br>ug/l | Qualifier           | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|-----------|----------------|---------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Arsenic   | U              |                     | 4.40        | 10.0        | 1        | 12/10/2021 21:59        | <a href="#">WG1785689</a> |
| Barium    | 20.2           |                     | 0.736       | 5.00        | 1        | 12/10/2021 21:59        | <a href="#">WG1785689</a> |
| Cadmium   | U              |                     | 0.479       | 2.00        | 1        | 12/10/2021 21:59        | <a href="#">WG1785689</a> |
| Chromium  | 1.86           | <a href="#">B J</a> | 1.40        | 10.0        | 1        | 12/10/2021 21:59        | <a href="#">WG1785689</a> |
| Copper    | 7.73           | <a href="#">B J</a> | 3.68        | 10.0        | 1        | 12/10/2021 21:59        | <a href="#">WG1785689</a> |
| Iron      | 236            |                     | 18.0        | 100         | 1        | 12/10/2021 21:59        | <a href="#">WG1785689</a> |
| Lead      | U              |                     | 2.99        | 6.00        | 1        | 12/10/2021 21:59        | <a href="#">WG1785689</a> |
| Manganese | 136            |                     | 0.934       | 10.0        | 1        | 12/10/2021 21:59        | <a href="#">WG1785689</a> |
| Selenium  | U              |                     | 7.35        | 10.0        | 1        | 12/10/2021 21:59        | <a href="#">WG1785689</a> |
| Silver    | U              |                     | 1.54        | 5.00        | 1        | 12/10/2021 21:59        | <a href="#">WG1785689</a> |
| Zinc      | U              |                     | 6.52        | 50.0        | 1        | 12/10/2021 21:59        | <a href="#">WG1785689</a> |

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

| Analyte               | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|-----------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Benzene               | U              |           | 0.0941      | 1.00        | 1        | 11/24/2021 03:22        | <a href="#">WG1779333</a> |
| Carbon tetrachloride  | U              |           | 0.128       | 1.00        | 1        | 11/24/2021 03:22        | <a href="#">WG1779333</a> |
| 1,4-Dichlorobenzene   | U              |           | 0.120       | 1.00        | 1        | 11/24/2021 03:22        | <a href="#">WG1779333</a> |
| 1,2-Dichloroethane    | U              |           | 0.0819      | 1.00        | 1        | 11/24/2021 03:22        | <a href="#">WG1779333</a> |
| 1,1-Dichloroethene    | U              |           | 0.188       | 1.00        | 1        | 11/24/2021 03:22        | <a href="#">WG1779333</a> |
| 1,1,1-Trichloroethane | U              |           | 0.149       | 1.00        | 1        | 11/24/2021 03:22        | <a href="#">WG1779333</a> |
| Trichloroethene       | U              |           | 0.190       | 1.00        | 1        | 11/24/2021 03:22        | <a href="#">WG1779333</a> |



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

| Analyte                   | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|---------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Vinyl chloride            | U              |           | 0.234       | 1.00        | 1        | 11/24/2021 03:22        | <a href="#">WG1779333</a> |
| (S) Toluene-d8            | 113            |           |             | 80.0-120    |          | 11/24/2021 03:22        | <a href="#">WG1779333</a> |
| (S) 4-Bromofluorobenzene  | 94.0           |           |             | 77.0-126    |          | 11/24/2021 03:22        | <a href="#">WG1779333</a> |
| (S) 1,2-Dichloroethane-d4 | 123            |           |             | 70.0-130    |          | 11/24/2021 03:22        | <a href="#">WG1779333</a> |

## Pesticides (GC) by Method 8081

| Analyte                  | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|--------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Gamma BHC                | 0.0661         |           | 0.0209      | 0.0500      | 1        | 11/22/2021 11:51        | <a href="#">WG1777563</a> |
| (S) Decachlorobiphenyl   | 89.7           |           |             | 10.0-128    |          | 11/22/2021 11:51        | <a href="#">WG1777563</a> |
| (S) Tetrachloro-m-xylene | 88.7           |           |             | 10.0-127    |          | 11/22/2021 11:51        | <a href="#">WG1777563</a> |

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

## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result<br>ug/l | Qualifier | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Dissolved Solids | 249000         |           | 10000       | 1        | 11/24/2021 15:02        | <a href="#">WG1779723</a> |

## Wet Chemistry by Method 1664A

| Analyte            | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|--------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| TPH - Oil & Grease | U              |           | 806         | 5560        | 1        | 11/26/2021 12:20        | <a href="#">WG1780251</a> |

## Sample Narrative:

L1432776-07 WG1780251: Total Oil&Grease is non-detect. Extract was not processed through silica gel.

## Wet Chemistry by Method 9056A

| Analyte  | Result<br>ug/l | Qualifier         | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|----------|----------------|-------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Chloride | 71900          |                   | 379         | 1000        | 1        | 11/18/2021 19:40        | <a href="#">WG1776819</a> |
| Fluoride | 66.0           | <a href="#">J</a> | 64.0        | 150         | 1        | 11/18/2021 19:40        | <a href="#">WG1776819</a> |
| Nitrate  | U              |                   | 48.0        | 100         | 1        | 11/18/2021 19:40        | <a href="#">WG1776819</a> |
| Sulfate  | 50000          |                   | 594         | 5000        | 1        | 11/18/2021 19:40        | <a href="#">WG1776819</a> |

## Wet Chemistry by Method 9060A

| Analyte                    | Result<br>ug/l | Qualifier         | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|----------------------------|----------------|-------------------|-------------|-------------|----------|-------------------------|---------------------------|
| TOC (Total Organic Carbon) | 1060           | <a href="#">B</a> | 102         | 1000        | 1        | 11/23/2021 02:29        | <a href="#">WG1778485</a> |

## Mercury by Method 7470A

| Analyte | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|---------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Mercury | U              |           | 0.100       | 0.200       | 1        | 12/01/2021 09:57        | <a href="#">WG1778226</a> |

## Metals (ICP) by Method 6010B

| Analyte   | Result<br>ug/l | Qualifier           | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|-----------|----------------|---------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Arsenic   | U              |                     | 4.40        | 10.0        | 1        | 12/10/2021 22:01        | <a href="#">WG1785689</a> |
| Barium    | 111            |                     | 0.736       | 5.00        | 1        | 12/10/2021 22:01        | <a href="#">WG1785689</a> |
| Cadmium   | U              |                     | 0.479       | 2.00        | 1        | 12/10/2021 22:01        | <a href="#">WG1785689</a> |
| Chromium  | 1.75           | <a href="#">B J</a> | 1.40        | 10.0        | 1        | 12/10/2021 22:01        | <a href="#">WG1785689</a> |
| Copper    | U              |                     | 3.68        | 10.0        | 1        | 12/10/2021 22:01        | <a href="#">WG1785689</a> |
| Iron      | 117            |                     | 18.0        | 100         | 1        | 12/10/2021 22:01        | <a href="#">WG1785689</a> |
| Lead      | U              |                     | 2.99        | 6.00        | 1        | 12/10/2021 22:01        | <a href="#">WG1785689</a> |
| Manganese | 223            |                     | 0.934       | 10.0        | 1        | 12/10/2021 22:01        | <a href="#">WG1785689</a> |
| Selenium  | U              |                     | 7.35        | 10.0        | 1        | 12/10/2021 22:01        | <a href="#">WG1785689</a> |
| Silver    | U              |                     | 1.54        | 5.00        | 1        | 12/10/2021 22:01        | <a href="#">WG1785689</a> |
| Zinc      | 7.76           | <a href="#">J</a>   | 6.52        | 50.0        | 1        | 12/10/2021 22:01        | <a href="#">WG1785689</a> |

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

| Analyte               | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|-----------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Benzene               | U              |           | 0.0941      | 1.00        | 1        | 11/24/2021 03:44        | <a href="#">WG1779333</a> |
| Carbon tetrachloride  | U              |           | 0.128       | 1.00        | 1        | 11/24/2021 03:44        | <a href="#">WG1779333</a> |
| 1,4-Dichlorobenzene   | U              |           | 0.120       | 1.00        | 1        | 11/24/2021 03:44        | <a href="#">WG1779333</a> |
| 1,2-Dichloroethane    | U              |           | 0.0819      | 1.00        | 1        | 11/24/2021 03:44        | <a href="#">WG1779333</a> |
| 1,1-Dichloroethene    | U              |           | 0.188       | 1.00        | 1        | 11/24/2021 03:44        | <a href="#">WG1779333</a> |
| 1,1,1-Trichloroethane | U              |           | 0.149       | 1.00        | 1        | 11/24/2021 03:44        | <a href="#">WG1779333</a> |
| Trichloroethene       | U              |           | 0.190       | 1.00        | 1        | 11/24/2021 03:44        | <a href="#">WG1779333</a> |

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<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|---------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Vinyl chloride            | U              |           | 0.234       | 1.00        | 1        | 11/24/2021 03:44        | <a href="#">WG1779333</a> |
| (S) Toluene-d8            | 115            |           |             | 80.0-120    |          | 11/24/2021 03:44        | <a href="#">WG1779333</a> |
| (S) 4-Bromofluorobenzene  | 94.3           |           |             | 77.0-126    |          | 11/24/2021 03:44        | <a href="#">WG1779333</a> |
| (S) 1,2-Dichloroethane-d4 | 124            |           |             | 70.0-130    |          | 11/24/2021 03:44        | <a href="#">WG1779333</a> |

## Pesticides (GC) by Method 8081

| Analyte                  | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|--------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Gamma BHC                | 0.0330         | <u>J</u>  | 0.0209      | 0.0500      | 1        | 11/22/2021 12:00        | <a href="#">WG1777563</a> |
| (S) Decachlorobiphenyl   | 92.0           |           |             | 10.0-128    |          | 11/22/2021 12:00        | <a href="#">WG1777563</a> |
| (S) Tetrachloro-m-xylene | 94.5           |           |             | 10.0-127    |          | 11/22/2021 12:00        | <a href="#">WG1777563</a> |

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

## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result<br>ug/l | Qualifier | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Dissolved Solids | 3360000        |           | 50000       | 1        | 11/24/2021 13:08        | <a href="#">WG1779721</a> |

## Wet Chemistry by Method 1664A

| Analyte            | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|--------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| TPH - Oil & Grease | U              |           | 853         | 5880        | 1        | 11/26/2021 12:20        | <a href="#">WG1780251</a> |

## Sample Narrative:

L1432776-08 WG1780251: Total Oil&Grease is non-detect. Extract was not processed through silica gel.

## Wet Chemistry by Method 9056A

| Analyte  | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|----------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Chloride | 1220000        |           | 7580        | 20000       | 20       | 11/18/2021 20:28        | <a href="#">WG1776819</a> |
| Fluoride | 200            |           | 64.0        | 150         | 1        | 11/18/2021 20:12        | <a href="#">WG1776819</a> |
| Nitrate  | 178            |           | 48.0        | 100         | 1        | 11/18/2021 20:12        | <a href="#">WG1776819</a> |
| Sulfate  | 840000         |           | 11900       | 100000      | 20       | 11/18/2021 20:28        | <a href="#">WG1776819</a> |

## Wet Chemistry by Method 9060A

| Analyte                    | Result<br>ug/l | Qualifier         | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|----------------------------|----------------|-------------------|-------------|-------------|----------|-------------------------|---------------------------|
| TOC (Total Organic Carbon) | 1730           | <a href="#">B</a> | 102         | 1000        | 1        | 11/23/2021 03:22        | <a href="#">WG1778485</a> |

## Mercury by Method 7470A

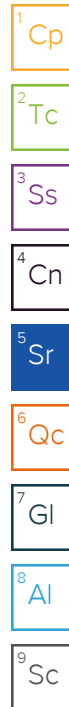
| Analyte | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|---------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Mercury | U              |           | 0.100       | 0.200       | 1        | 12/01/2021 09:59        | <a href="#">WG1778226</a> |

## Metals (ICP) by Method 6010B

| Analyte   | Result<br>ug/l | Qualifier           | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|-----------|----------------|---------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Arsenic   | U              |                     | 4.40        | 10.0        | 1        | 12/10/2021 22:05        | <a href="#">WG1785689</a> |
| Barium    | 29.1           |                     | 0.736       | 5.00        | 1        | 12/10/2021 22:05        | <a href="#">WG1785689</a> |
| Cadmium   | U              |                     | 0.479       | 2.00        | 1        | 12/10/2021 22:05        | <a href="#">WG1785689</a> |
| Chromium  | 2.01           | <a href="#">B J</a> | 1.40        | 10.0        | 1        | 12/10/2021 22:05        | <a href="#">WG1785689</a> |
| Copper    | U              |                     | 3.68        | 10.0        | 1        | 12/10/2021 22:05        | <a href="#">WG1785689</a> |
| Iron      | 480            |                     | 18.0        | 100         | 1        | 12/10/2021 22:05        | <a href="#">WG1785689</a> |
| Lead      | U              |                     | 2.99        | 6.00        | 1        | 12/10/2021 22:05        | <a href="#">WG1785689</a> |
| Manganese | 361            |                     | 0.934       | 10.0        | 1        | 12/10/2021 22:05        | <a href="#">WG1785689</a> |
| Selenium  | U              |                     | 7.35        | 10.0        | 1        | 12/10/2021 22:05        | <a href="#">WG1785689</a> |
| Silver    | U              |                     | 1.54        | 5.00        | 1        | 12/10/2021 22:05        | <a href="#">WG1785689</a> |
| Zinc      | 12.4           | <a href="#">J</a>   | 6.52        | 50.0        | 1        | 12/10/2021 22:05        | <a href="#">WG1785689</a> |

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

| Analyte               | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|-----------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Benzene               | U              |           | 0.0941      | 1.00        | 1        | 11/24/2021 04:06        | <a href="#">WG1779333</a> |
| Carbon tetrachloride  | U              |           | 0.128       | 1.00        | 1        | 11/24/2021 04:06        | <a href="#">WG1779333</a> |
| 1,4-Dichlorobenzene   | U              |           | 0.120       | 1.00        | 1        | 11/24/2021 04:06        | <a href="#">WG1779333</a> |
| 1,2-Dichloroethane    | U              |           | 0.0819      | 1.00        | 1        | 11/24/2021 04:06        | <a href="#">WG1779333</a> |
| 1,1-Dichloroethene    | U              |           | 0.188       | 1.00        | 1        | 11/24/2021 04:06        | <a href="#">WG1779333</a> |
| 1,1,1-Trichloroethane | U              |           | 0.149       | 1.00        | 1        | 11/24/2021 04:06        | <a href="#">WG1779333</a> |
| Trichloroethene       | U              |           | 0.190       | 1.00        | 1        | 11/24/2021 04:06        | <a href="#">WG1779333</a> |



DUPE

## SAMPLE RESULTS - 08

Collected date/time: 11/17/21 12:35

L1432776

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

| Analyte                   | Result<br>ug/l | <u>Qualifier</u> | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | <u>Batch</u>              |
|---------------------------|----------------|------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Vinyl chloride            | U              |                  | 0.234       | 1.00        | 1        | 11/24/2021 04:06        | <a href="#">WG1779333</a> |
| (S) Toluene-d8            | 115            |                  |             | 80.0-120    |          | 11/24/2021 04:06        | <a href="#">WG1779333</a> |
| (S) 4-Bromofluorobenzene  | 94.9           |                  |             | 77.0-126    |          | 11/24/2021 04:06        | <a href="#">WG1779333</a> |
| (S) 1,2-Dichloroethane-d4 | 127            |                  |             | 70.0-130    |          | 11/24/2021 04:06        | <a href="#">WG1779333</a> |

## Pesticides (GC) by Method 8081

| Analyte                  | Result<br>ug/l | <u>Qualifier</u> | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | <u>Batch</u>              |
|--------------------------|----------------|------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Gamma BHC                | U              |                  | 0.0209      | 0.0500      | 1        | 11/23/2021 09:07        | <a href="#">WG1778039</a> |
| (S) Decachlorobiphenyl   | 92.7           |                  |             | 10.0-128    |          | 11/23/2021 09:07        | <a href="#">WG1778039</a> |
| (S) Tetrachloro-m-xylene | 98.1           |                  |             | 10.0-127    |          | 11/23/2021 09:07        | <a href="#">WG1778039</a> |

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

## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result<br>ug/l | Qualifier | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Dissolved Solids | ND             |           | 10000       | 1        | 11/24/2021 15:02        | <a href="#">WG1779723</a> |

## Wet Chemistry by Method 1664A

| Analyte            | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|--------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| TPH - Oil & Grease | U              |           | 853         | 5880        | 1        | 11/26/2021 12:20        | <a href="#">WG1780251</a> |

## Sample Narrative:

L1432776-09 WG1780251: Total Oil&Grease is non-detect. Extract was not processed through silica gel.

## Wet Chemistry by Method 9056A

| Analyte  | Result<br>ug/l | Qualifier           | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|----------|----------------|---------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Chloride | 508            | <a href="#">B J</a> | 379         | 1000        | 1        | 11/18/2021 20:44        | <a href="#">WG1776819</a> |
| Fluoride | U              |                     | 64.0        | 150         | 1        | 11/18/2021 20:44        | <a href="#">WG1776819</a> |
| Nitrate  | 58.2           | <a href="#">J</a>   | 48.0        | 100         | 1        | 11/18/2021 20:44        | <a href="#">WG1776819</a> |
| Sulfate  | U              |                     | 594         | 5000        | 1        | 11/18/2021 20:44        | <a href="#">WG1776819</a> |

## Wet Chemistry by Method 9060A

| Analyte                    | Result<br>ug/l | Qualifier           | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|----------------------------|----------------|---------------------|-------------|-------------|----------|-------------------------|---------------------------|
| TOC (Total Organic Carbon) | 483            | <a href="#">B J</a> | 102         | 1000        | 1        | 11/23/2021 03:34        | <a href="#">WG1778485</a> |

## Mercury by Method 7470A

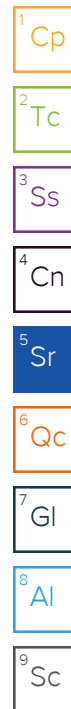
| Analyte | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|---------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Mercury | U              |           | 0.100       | 0.200       | 1        | 12/01/2021 10:01        | <a href="#">WG1778226</a> |

## Metals (ICP) by Method 6010B

| Analyte   | Result<br>ug/l | Qualifier           | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|-----------|----------------|---------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Arsenic   | U              |                     | 4.40        | 10.0        | 1        | 12/10/2021 22:07        | <a href="#">WG1785689</a> |
| Barium    | 0.791          | <a href="#">J</a>   | 0.736       | 5.00        | 1        | 12/10/2021 22:07        | <a href="#">WG1785689</a> |
| Cadmium   | U              |                     | 0.479       | 2.00        | 1        | 12/10/2021 22:07        | <a href="#">WG1785689</a> |
| Chromium  | 1.77           | <a href="#">B J</a> | 1.40        | 10.0        | 1        | 12/10/2021 22:07        | <a href="#">WG1785689</a> |
| Copper    | U              |                     | 3.68        | 10.0        | 1        | 12/10/2021 22:07        | <a href="#">WG1785689</a> |
| Iron      | 18.1           | <a href="#">J</a>   | 18.0        | 100         | 1        | 12/10/2021 22:07        | <a href="#">WG1785689</a> |
| Lead      | U              |                     | 2.99        | 6.00        | 1        | 12/10/2021 22:07        | <a href="#">WG1785689</a> |
| Manganese | U              |                     | 0.934       | 10.0        | 1        | 12/10/2021 22:07        | <a href="#">WG1785689</a> |
| Selenium  | U              |                     | 7.35        | 10.0        | 1        | 12/10/2021 22:07        | <a href="#">WG1785689</a> |
| Silver    | U              |                     | 1.54        | 5.00        | 1        | 12/10/2021 22:07        | <a href="#">WG1785689</a> |
| Zinc      | 16.6           | <a href="#">J</a>   | 6.52        | 50.0        | 1        | 12/10/2021 22:07        | <a href="#">WG1785689</a> |

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

| Analyte               | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|-----------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Benzene               | U              |           | 0.0941      | 1.00        | 1        | 11/24/2021 04:27        | <a href="#">WG1779333</a> |
| Carbon tetrachloride  | U              |           | 0.128       | 1.00        | 1        | 11/24/2021 04:27        | <a href="#">WG1779333</a> |
| 1,4-Dichlorobenzene   | U              |           | 0.120       | 1.00        | 1        | 11/24/2021 04:27        | <a href="#">WG1779333</a> |
| 1,2-Dichloroethane    | U              |           | 0.0819      | 1.00        | 1        | 11/24/2021 04:27        | <a href="#">WG1779333</a> |
| 1,1-Dichloroethene    | U              |           | 0.188       | 1.00        | 1        | 11/24/2021 04:27        | <a href="#">WG1779333</a> |
| 1,1,1-Trichloroethane | U              |           | 0.149       | 1.00        | 1        | 11/24/2021 04:27        | <a href="#">WG1779333</a> |
| Trichloroethene       | U              |           | 0.190       | 1.00        | 1        | 11/24/2021 04:27        | <a href="#">WG1779333</a> |



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

| Analyte                   | Result<br>ug/l | <u>Qualifier</u> | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | <u>Batch</u>              |
|---------------------------|----------------|------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Vinyl chloride            | U              |                  | 0.234       | 1.00        | 1        | 11/24/2021 04:27        | <a href="#">WG1779333</a> |
| (S) Toluene-d8            | 115            |                  |             | 80.0-120    |          | 11/24/2021 04:27        | <a href="#">WG1779333</a> |
| (S) 4-Bromofluorobenzene  | 95.5           |                  |             | 77.0-126    |          | 11/24/2021 04:27        | <a href="#">WG1779333</a> |
| (S) 1,2-Dichloroethane-d4 | 124            |                  |             | 70.0-130    |          | 11/24/2021 04:27        | <a href="#">WG1779333</a> |

## Pesticides (GC) by Method 8081

| Analyte                  | Result<br>ug/l | <u>Qualifier</u> | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | <u>Batch</u>              |
|--------------------------|----------------|------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Gamma BHC                | U              |                  | 0.0209      | 0.0500      | 1        | 11/23/2021 09:16        | <a href="#">WG1778039</a> |
| (S) Decachlorobiphenyl   | 74.1           |                  |             | 10.0-128    |          | 11/23/2021 09:16        | <a href="#">WG1778039</a> |
| (S) Tetrachloro-m-xylene | 101            |                  |             | 10.0-127    |          | 11/23/2021 09:16        | <a href="#">WG1778039</a> |

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

## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result<br>ug/l | Qualifier | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Dissolved Solids | 4560000        |           | 100000      | 1        | 11/24/2021 16:11        | <a href="#">WG1779725</a> |

## Wet Chemistry by Method 1664A

| Analyte            | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|--------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| TPH - Oil & Grease | U              |           | 853         | 5880        | 1        | 11/26/2021 12:20        | <a href="#">WG1780251</a> |

## Sample Narrative:

L1432776-10 WG1780251: Total Oil&Grease is non-detect. Extract was not processed through silica gel.

## Wet Chemistry by Method 9056A

| Analyte  | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|----------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Chloride | 205000         |           | 1900        | 5000        | 5        | 11/18/2021 21:48        | <a href="#">WG1776819</a> |
| Fluoride | 175            |           | 64.0        | 150         | 1        | 11/18/2021 21:32        | <a href="#">WG1776819</a> |
| Nitrate  | 106            |           | 48.0        | 100         | 1        | 11/18/2021 21:32        | <a href="#">WG1776819</a> |
| Sulfate  | 3400           | J         | 594         | 5000        | 1        | 11/18/2021 21:32        | <a href="#">WG1776819</a> |

## Wet Chemistry by Method 9060A

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| TOC (Total Organic Carbon) | 74000          |           | 102         | 1000        | 1        | 11/23/2021 03:58        | <a href="#">WG1778485</a> |

## Mercury by Method 7470A

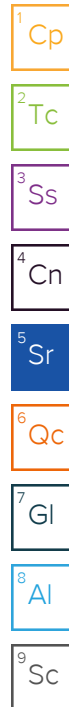
| Analyte | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|---------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Mercury | U              |           | 0.100       | 0.200       | 1        | 12/03/2021 08:42        | <a href="#">WG1782188</a> |

## Metals (ICP) by Method 6010B

| Analyte   | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|-----------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Arsenic   | 12.2           |           | 4.40        | 10.0        | 1        | 12/11/2021 01:45        | <a href="#">WG1786195</a> |
| Barium    | 865            |           | 0.736       | 5.00        | 1        | 12/11/2021 01:45        | <a href="#">WG1786195</a> |
| Cadmium   | 0.511          | J         | 0.479       | 2.00        | 1        | 12/11/2021 01:45        | <a href="#">WG1786195</a> |
| Chromium  | 5.53           | J         | 1.40        | 10.0        | 1        | 12/11/2021 01:45        | <a href="#">WG1786195</a> |
| Copper    | 10.3           |           | 3.68        | 10.0        | 1        | 12/11/2021 01:45        | <a href="#">WG1786195</a> |
| Iron      | 5810           |           | 18.0        | 100         | 1        | 12/11/2021 01:45        | <a href="#">WG1786195</a> |
| Lead      | U              |           | 2.99        | 6.00        | 1        | 12/11/2021 01:45        | <a href="#">WG1786195</a> |
| Manganese | 553            |           | 0.934       | 10.0        | 1        | 12/11/2021 01:45        | <a href="#">WG1786195</a> |
| Selenium  | U              |           | 7.35        | 10.0        | 1        | 12/11/2021 01:45        | <a href="#">WG1786195</a> |
| Silver    | U              |           | 1.54        | 5.00        | 1        | 12/11/2021 01:45        | <a href="#">WG1786195</a> |
| Zinc      | 19.3           | J         | 6.52        | 50.0        | 1        | 12/11/2021 01:45        | <a href="#">WG1786195</a> |

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

| Analyte               | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|-----------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Benzene               | U              |           | 0.0941      | 1.00        | 1        | 11/24/2021 04:49        | <a href="#">WG1779333</a> |
| Carbon tetrachloride  | U              |           | 0.128       | 1.00        | 1        | 11/24/2021 04:49        | <a href="#">WG1779333</a> |
| 1,4-Dichlorobenzene   | U              |           | 0.120       | 1.00        | 1        | 11/24/2021 04:49        | <a href="#">WG1779333</a> |
| 1,2-Dichloroethane    | U              |           | 0.0819      | 1.00        | 1        | 11/24/2021 04:49        | <a href="#">WG1779333</a> |
| 1,1-Dichloroethene    | U              |           | 0.188       | 1.00        | 1        | 11/24/2021 04:49        | <a href="#">WG1779333</a> |
| 1,1,1-Trichloroethane | U              |           | 0.149       | 1.00        | 1        | 11/24/2021 04:49        | <a href="#">WG1779333</a> |
| Trichloroethene       | U              |           | 0.190       | 1.00        | 1        | 11/24/2021 04:49        | <a href="#">WG1779333</a> |



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

| Analyte                   | Result<br>ug/l | <u>Qualifier</u> | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | <u>Batch</u>              |
|---------------------------|----------------|------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Vinyl chloride            | U              |                  | 0.234       | 1.00        | 1        | 11/24/2021 04:49        | <a href="#">WG1779333</a> |
| (S) Toluene-d8            | 113            |                  |             | 80.0-120    |          | 11/24/2021 04:49        | <a href="#">WG1779333</a> |
| (S) 4-Bromofluorobenzene  | 97.1           |                  |             | 77.0-126    |          | 11/24/2021 04:49        | <a href="#">WG1779333</a> |
| (S) 1,2-Dichloroethane-d4 | 125            |                  |             | 70.0-130    |          | 11/24/2021 04:49        | <a href="#">WG1779333</a> |

## Pesticides (GC) by Method 8081

| Analyte                  | Result<br>ug/l | <u>Qualifier</u> | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | <u>Batch</u>              |
|--------------------------|----------------|------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Gamma BHC                | U              |                  | 0.0209      | 0.0500      | 1        | 11/23/2021 09:25        | <a href="#">WG1778039</a> |
| (S) Decachlorobiphenyl   | 56.6           |                  |             | 10.0-128    |          | 11/23/2021 09:25        | <a href="#">WG1778039</a> |
| (S) Tetrachloro-m-xylene | 84.1           |                  |             | 10.0-127    |          | 11/23/2021 09:25        | <a href="#">WG1778039</a> |

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

## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result<br>ug/l | Qualifier | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Dissolved Solids | 2440000        |           | 50000       | 1        | 11/24/2021 13:08        | <a href="#">WG1779721</a> |

## Wet Chemistry by Method 1664A

| Analyte            | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|--------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| TPH - Oil & Grease | U              |           | 806         | 5560        | 1        | 11/26/2021 12:20        | <a href="#">WG1780251</a> |

## Sample Narrative:

L1432776-11 WG1780251: Total Oil&Grease is non-detect. Extract was not processed through silica gel.

## Wet Chemistry by Method 9056A

| Analyte  | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|----------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Chloride | 926000         |           | 3790        | 10000       | 10       | 11/23/2021 22:03        | <a href="#">WG1779149</a> |
| Fluoride | 209            |           | 64.0        | 150         | 1        | 11/18/2021 22:43        | <a href="#">WG1776819</a> |
| Nitrate  | U              |           | 48.0        | 100         | 1        | 11/18/2021 22:43        | <a href="#">WG1776819</a> |
| Sulfate  | 540000         |           | 5940        | 50000       | 10       | 11/23/2021 22:03        | <a href="#">WG1779149</a> |

## Wet Chemistry by Method 9060A

| Analyte                    | Result<br>ug/l | Qualifier         | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|----------------------------|----------------|-------------------|-------------|-------------|----------|-------------------------|---------------------------|
| TOC (Total Organic Carbon) | 1120           | <a href="#">B</a> | 102         | 1000        | 1        | 11/23/2021 04:12        | <a href="#">WG1778485</a> |

## Mercury by Method 7470A

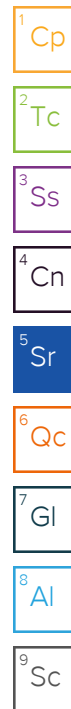
| Analyte | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|---------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Mercury | U              |           | 0.100       | 0.200       | 1        | 12/01/2021 10:03        | <a href="#">WG1778226</a> |

## Metals (ICP) by Method 6010B

| Analyte   | Result<br>ug/l | Qualifier          | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|-----------|----------------|--------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Arsenic   | U              |                    | 4.40        | 10.0        | 1        | 12/11/2021 01:30        | <a href="#">WG1786195</a> |
| Barium    | 54.3           | <a href="#">O1</a> | 0.736       | 5.00        | 1        | 12/11/2021 01:30        | <a href="#">WG1786195</a> |
| Cadmium   | U              |                    | 0.479       | 2.00        | 1        | 12/11/2021 01:30        | <a href="#">WG1786195</a> |
| Chromium  | U              |                    | 1.40        | 10.0        | 1        | 12/11/2021 01:30        | <a href="#">WG1786195</a> |
| Copper    | U              |                    | 3.68        | 10.0        | 1        | 12/11/2021 01:30        | <a href="#">WG1786195</a> |
| Iron      | 137            |                    | 18.0        | 100         | 1        | 12/11/2021 01:30        | <a href="#">WG1786195</a> |
| Lead      | U              |                    | 2.99        | 6.00        | 1        | 12/11/2021 01:30        | <a href="#">WG1786195</a> |
| Manganese | 126            | <a href="#">O1</a> | 0.934       | 10.0        | 1        | 12/11/2021 01:30        | <a href="#">WG1786195</a> |
| Selenium  | U              |                    | 7.35        | 10.0        | 1        | 12/11/2021 01:30        | <a href="#">WG1786195</a> |
| Silver    | U              |                    | 1.54        | 5.00        | 1        | 12/11/2021 01:30        | <a href="#">WG1786195</a> |
| Zinc      | 13.8           | <a href="#">J</a>  | 6.52        | 50.0        | 1        | 12/11/2021 01:30        | <a href="#">WG1786195</a> |

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

| Analyte               | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|-----------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Benzene               | U              |           | 0.0941      | 1.00        | 1        | 11/25/2021 10:02        | <a href="#">WG1780019</a> |
| Carbon tetrachloride  | U              |           | 0.128       | 1.00        | 1        | 11/25/2021 10:02        | <a href="#">WG1780019</a> |
| 1,4-Dichlorobenzene   | U              |           | 0.120       | 1.00        | 1        | 11/25/2021 10:02        | <a href="#">WG1780019</a> |
| 1,2-Dichloroethane    | U              |           | 0.0819      | 1.00        | 1        | 11/25/2021 10:02        | <a href="#">WG1780019</a> |
| 1,1-Dichloroethene    | U              |           | 0.188       | 1.00        | 1        | 11/25/2021 10:02        | <a href="#">WG1780019</a> |
| 1,1,1-Trichloroethane | U              |           | 0.149       | 1.00        | 1        | 11/25/2021 10:02        | <a href="#">WG1780019</a> |
| Trichloroethene       | U              |           | 0.190       | 1.00        | 1        | 11/25/2021 10:02        | <a href="#">WG1780019</a> |



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

| Analyte                   | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch     |
|---------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|-----------|
| Vinyl chloride            | U              | J3        | 0.234       | 1.00        | 1        | 11/25/2021 10:02        | WG1780019 |
| (S) Toluene-d8            | 114            |           |             | 80.0-120    |          | 11/25/2021 10:02        | WG1780019 |
| (S) 4-Bromofluorobenzene  | 96.7           |           |             | 77.0-126    |          | 11/25/2021 10:02        | WG1780019 |
| (S) 1,2-Dichloroethane-d4 | 107            |           |             | 70.0-130    |          | 11/25/2021 10:02        | WG1780019 |

Pesticides (GC) by Method 8081

| Analyte                  | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch     |
|--------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|-----------|
| Gamma BHC                | U              |           | 0.0209      | 0.0500      | 1        | 11/23/2021 09:34        | WG1778039 |
| (S) Decachlorobiphenyl   | 78.3           |           |             | 10.0-128    |          | 11/23/2021 09:34        | WG1778039 |
| (S) Tetrachloro-m-xylene | 91.9           |           |             | 10.0-127    |          | 11/23/2021 09:34        | WG1778039 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result<br>ug/l | Qualifier | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Dissolved Solids | 1210000        | <u>J3</u> | 20000       | 1        | 11/23/2021 19:01        | <a href="#">WG1779332</a> |

## Wet Chemistry by Method 1664A

| Analyte            | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|--------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| TPH - Oil & Grease | U              |           | 806         | 5560        | 1        | 11/26/2021 12:20        | <a href="#">WG1780251</a> |

## Sample Narrative:

L1432776-12 WG1780251: Total Oil&Grease is non-detect. Extract was not processed through silica gel.

## Wet Chemistry by Method 9056A

| Analyte  | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|----------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Chloride | 487000         |           | 3790        | 10000       | 10       | 11/18/2021 23:31        | <a href="#">WG1776819</a> |
| Fluoride | 266            |           | 64.0        | 150         | 1        | 11/18/2021 23:15        | <a href="#">WG1776819</a> |
| Nitrate  | 112            |           | 48.0        | 100         | 1        | 11/18/2021 23:15        | <a href="#">WG1776819</a> |
| Sulfate  | 159000         |           | 5940        | 50000       | 10       | 11/18/2021 23:31        | <a href="#">WG1776819</a> |

## Wet Chemistry by Method 9060A

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| TOC (Total Organic Carbon) | 1380           | <u>B</u>  | 102         | 1000        | 1        | 11/23/2021 04:26        | <a href="#">WG1778485</a> |

## Mercury by Method 7470A

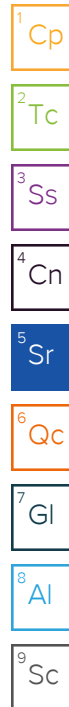
| Analyte | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|---------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Mercury | U              |           | 0.100       | 0.200       | 1        | 12/01/2021 10:05        | <a href="#">WG1778226</a> |

## Metals (ICP) by Method 6010B

| Analyte   | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|-----------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Arsenic   | U              |           | 4.40        | 10.0        | 1        | 12/11/2021 01:48        | <a href="#">WG1786195</a> |
| Barium    | 151            |           | 0.736       | 5.00        | 1        | 12/11/2021 01:48        | <a href="#">WG1786195</a> |
| Cadmium   | U              |           | 0.479       | 2.00        | 1        | 12/11/2021 01:48        | <a href="#">WG1786195</a> |
| Chromium  | 1.86           | <u>J</u>  | 1.40        | 10.0        | 1        | 12/11/2021 01:48        | <a href="#">WG1786195</a> |
| Copper    | U              |           | 3.68        | 10.0        | 1        | 12/11/2021 01:48        | <a href="#">WG1786195</a> |
| Iron      | 47.0           | <u>J</u>  | 18.0        | 100         | 1        | 12/11/2021 01:48        | <a href="#">WG1786195</a> |
| Lead      | U              |           | 2.99        | 6.00        | 1        | 12/11/2021 01:48        | <a href="#">WG1786195</a> |
| Manganese | 280            |           | 0.934       | 10.0        | 1        | 12/11/2021 01:48        | <a href="#">WG1786195</a> |
| Selenium  | 9.24           | <u>J</u>  | 7.35        | 10.0        | 1        | 12/11/2021 01:48        | <a href="#">WG1786195</a> |
| Silver    | U              |           | 1.54        | 5.00        | 1        | 12/11/2021 01:48        | <a href="#">WG1786195</a> |
| Zinc      | 7.98           | <u>J</u>  | 6.52        | 50.0        | 1        | 12/11/2021 01:48        | <a href="#">WG1786195</a> |

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

| Analyte               | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|-----------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Benzene               | U              |           | 0.0941      | 1.00        | 1        | 11/25/2021 10:21        | <a href="#">WG1780019</a> |
| Carbon tetrachloride  | U              |           | 0.128       | 1.00        | 1        | 11/25/2021 10:21        | <a href="#">WG1780019</a> |
| 1,4-Dichlorobenzene   | U              |           | 0.120       | 1.00        | 1        | 11/25/2021 10:21        | <a href="#">WG1780019</a> |
| 1,2-Dichloroethane    | U              |           | 0.0819      | 1.00        | 1        | 11/25/2021 10:21        | <a href="#">WG1780019</a> |
| 1,1-Dichloroethene    | U              |           | 0.188       | 1.00        | 1        | 11/25/2021 10:21        | <a href="#">WG1780019</a> |
| 1,1,1-Trichloroethane | U              |           | 0.149       | 1.00        | 1        | 11/25/2021 10:21        | <a href="#">WG1780019</a> |
| Trichloroethene       | U              |           | 0.190       | 1.00        | 1        | 11/25/2021 10:21        | <a href="#">WG1780019</a> |



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

| Analyte                   | Result<br>ug/l | Qualifier          | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|---------------------------|----------------|--------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Vinyl chloride            | U              | <a href="#">J3</a> | 0.234       | 1.00        | 1        | 11/25/2021 10:21        | <a href="#">WG1780019</a> |
| (S) Toluene-d8            | 111            |                    |             | 80.0-120    |          | 11/25/2021 10:21        | <a href="#">WG1780019</a> |
| (S) 4-Bromofluorobenzene  | 96.8           |                    |             | 77.0-126    |          | 11/25/2021 10:21        | <a href="#">WG1780019</a> |
| (S) 1,2-Dichloroethane-d4 | 104            |                    |             | 70.0-130    |          | 11/25/2021 10:21        | <a href="#">WG1780019</a> |

## Pesticides (GC) by Method 8081

| Analyte                  | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|--------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Gamma BHC                | U              |           | 0.0209      | 0.0500      | 1        | 11/23/2021 09:42        | <a href="#">WG1778039</a> |
| (S) Decachlorobiphenyl   | 84.5           |           |             | 10.0-128    |          | 11/23/2021 09:42        | <a href="#">WG1778039</a> |
| (S) Tetrachloro-m-xylene | 96.4           |           |             | 10.0-127    |          | 11/23/2021 09:42        | <a href="#">WG1778039</a> |

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

## EQUIPMENT BLANK

Collected date/time: 11/17/21 14:30

## SAMPLE RESULTS - 13

L1432776

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

| Analyte                   | Result<br>ug/l | Qualifier          | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|---------------------------|----------------|--------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Benzene                   | U              |                    | 0.0941      | 1.00        | 1        | 11/25/2021 10:40        | <a href="#">WG1780019</a> |
| Carbon tetrachloride      | U              |                    | 0.128       | 1.00        | 1        | 11/25/2021 10:40        | <a href="#">WG1780019</a> |
| 1,4-Dichlorobenzene       | U              |                    | 0.120       | 1.00        | 1        | 11/25/2021 10:40        | <a href="#">WG1780019</a> |
| 1,2-Dichloroethane        | U              |                    | 0.0819      | 1.00        | 1        | 11/25/2021 10:40        | <a href="#">WG1780019</a> |
| 1,1-Dichloroethene        | U              |                    | 0.188       | 1.00        | 1        | 11/25/2021 10:40        | <a href="#">WG1780019</a> |
| 1,1,1-Trichloroethane     | U              |                    | 0.149       | 1.00        | 1        | 11/25/2021 10:40        | <a href="#">WG1780019</a> |
| Trichloroethene           | U              |                    | 0.190       | 1.00        | 1        | 11/25/2021 10:40        | <a href="#">WG1780019</a> |
| Vinyl chloride            | U              | <a href="#">J3</a> | 0.234       | 1.00        | 1        | 11/25/2021 10:40        | <a href="#">WG1780019</a> |
| (S) Toluene-d8            | 112            |                    |             | 80.0-120    |          | 11/25/2021 10:40        | <a href="#">WG1780019</a> |
| (S) 4-Bromofluorobenzene  | 96.2           |                    |             | 77.0-126    |          | 11/25/2021 10:40        | <a href="#">WG1780019</a> |
| (S) 1,2-Dichloroethane-d4 | 104            |                    |             | 70.0-130    |          | 11/25/2021 10:40        | <a href="#">WG1780019</a> |

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

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

| Analyte                   | Result<br>ug/l | Qualifier          | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|---------------------------|----------------|--------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Benzene                   | U              |                    | 0.0941      | 1.00        | 1        | 11/25/2021 09:43        | <a href="#">WG1780019</a> |
| Carbon tetrachloride      | U              |                    | 0.128       | 1.00        | 1        | 11/25/2021 09:43        | <a href="#">WG1780019</a> |
| 1,4-Dichlorobenzene       | U              |                    | 0.120       | 1.00        | 1        | 11/25/2021 09:43        | <a href="#">WG1780019</a> |
| 1,2-Dichloroethane        | U              |                    | 0.0819      | 1.00        | 1        | 11/25/2021 09:43        | <a href="#">WG1780019</a> |
| 1,1-Dichloroethene        | U              |                    | 0.188       | 1.00        | 1        | 11/25/2021 09:43        | <a href="#">WG1780019</a> |
| 1,1,1-Trichloroethane     | U              |                    | 0.149       | 1.00        | 1        | 11/25/2021 09:43        | <a href="#">WG1780019</a> |
| Trichloroethene           | U              |                    | 0.190       | 1.00        | 1        | 11/25/2021 09:43        | <a href="#">WG1780019</a> |
| Vinyl chloride            | U              | <a href="#">J3</a> | 0.234       | 1.00        | 1        | 11/25/2021 09:43        | <a href="#">WG1780019</a> |
| (S) Toluene-d8            | 112            |                    |             | 80.0-120    |          | 11/25/2021 09:43        | <a href="#">WG1780019</a> |
| (S) 4-Bromofluorobenzene  | 98.8           |                    |             | 77.0-126    |          | 11/25/2021 09:43        | <a href="#">WG1780019</a> |
| (S) 1,2-Dichloroethane-d4 | 107            |                    |             | 70.0-130    |          | 11/25/2021 09:43        | <a href="#">WG1780019</a> |

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

Method Blank (MB)

(MB) R3734175-1 11/23/21 19:01

|                  | MB Result | <u>MB Qualifier</u> | MB MDL | MB RDL |
|------------------|-----------|---------------------|--------|--------|
| Analyte          | ug/l      |                     | ug/l   | ug/l   |
| Dissolved Solids | U         |                     | 10000  | 10000  |

L1432776-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1432776-12 11/23/21 19:01 • (DUP) R3734175-3 11/23/21 19:01

|                  | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|------------------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte          | ug/l            | ug/l       |          | %       |                      | %              |
| Dissolved Solids | 1210000         | 1280000    | 1        | 5.94    | <u>J3</u>            | 5              |

L1432898-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1432898-10 11/23/21 19:01 • (DUP) R3734175-4 11/23/21 19:01

|                  | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|------------------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte          | ug/l            | ug/l       |          | %       |                      | %              |
| Dissolved Solids | 1310000         | 1450000    | 1        | 9.86    | <u>J3</u>            | 5              |

Laboratory Control Sample (LCS)

(LCS) R3734175-2 11/23/21 19:01

|                  | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | <u>LCS Qualifier</u> |
|------------------|--------------|------------|----------|-------------|----------------------|
| Analyte          | ug/l         | ug/l       | %        | %           |                      |
| Dissolved Solids | 8800000      | 8050000    | 91.5     | 77.4-123    |                      |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3735092-1 11/24/21 13:08

|                  | MB Result | <u>MB Qualifier</u> | MB MDL | MB RDL |
|------------------|-----------|---------------------|--------|--------|
| Analyte          | ug/l      |                     | ug/l   | ug/l   |
| Dissolved Solids | U         |                     | 10000  | 10000  |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

L1433770-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1433770-03 11/24/21 13:08 • (DUP) R3735092-3 11/24/21 13:08

|                  | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|------------------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte          | ug/l            | ug/l       |          | %       |                      | %              |
| Dissolved Solids | 1530000         | 1530000    | 1        | 0.000   |                      | 5              |

L1433770-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1433770-10 11/24/21 13:08 • (DUP) R3735092-4 11/24/21 13:08

|                  | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|------------------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte          | ug/l            | ug/l       |          | %       |                      | %              |
| Dissolved Solids | 976000          | 976000     | 1        | 0.000   |                      | 5              |

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Laboratory Control Sample (LCS)

(LCS) R3735092-2 11/24/21 13:08

|                  | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | <u>LCS Qualifier</u> |
|------------------|--------------|------------|----------|-------------|----------------------|
| Analyte          | ug/l         | ug/l       | %        | %           |                      |
| Dissolved Solids | 8800000      | 8690000    | 98.8     | 77.4-123    |                      |

Method Blank (MB)

(MB) R3734302-1 11/24/21 15:02

|                  | MB Result | <u>MB Qualifier</u> | MB MDL | MB RDL |
|------------------|-----------|---------------------|--------|--------|
| Analyte          | ug/l      |                     | ug/l   | ug/l   |
| Dissolved Solids | U         |                     | 10000  | 10000  |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

L1432218-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1432218-03 11/24/21 15:02 • (DUP) R3734302-3 11/24/21 15:02

|                  | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|------------------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte          | ug/l            | ug/l       |          | %       |                      | %              |
| Dissolved Solids | 812000          | 805000     | 1        | 0.825   |                      | 5              |

L1432740-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1432740-01 11/24/21 15:02 • (DUP) R3734302-4 11/24/21 15:02

|                  | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|------------------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte          | ug/l            | ug/l       |          | %       |                      | %              |
| Dissolved Solids | 1940000         | 1930000    | 1        | 0.258   |                      | 5              |

Laboratory Control Sample (LCS)

(LCS) R3734302-2 11/24/21 15:02

|                  | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | <u>LCS Qualifier</u> |
|------------------|--------------|------------|----------|-------------|----------------------|
| Analyte          | ug/l         | ug/l       | %        | %           |                      |
| Dissolved Solids | 8800000      | 8620000    | 98.0     | 77.4-123    |                      |

Method Blank (MB)

(MB) R3734296-1 11/24/21 16:11

|                  | MB Result | MB Qualifier | MB MDL | MB RDL |
|------------------|-----------|--------------|--------|--------|
| Analyte          | ug/l      |              | ug/l   | ug/l   |
| Dissolved Solids | U         |              | 10000  | 10000  |

L1432898-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1432898-05 11/24/21 16:11 • (DUP) R3734296-3 11/24/21 16:11

|                  | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte          | ug/l            | ug/l       |          | %       |               | %              |
| Dissolved Solids | 1460000         | 1480000    | 1        | 1.53    |               | 5              |

L1432898-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1432898-06 11/24/21 16:11 • (DUP) R3734296-4 11/24/21 16:11

|                  | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte          | ug/l            | ug/l       |          | %       |               | %              |
| Dissolved Solids | 1650000         | 1650000    | 1        | 0.152   |               | 5              |

Laboratory Control Sample (LCS)

(LCS) R3734296-2 11/24/21 16:11

|                  | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|------------------|--------------|------------|----------|-------------|---------------|
| Analyte          | ug/l         | ug/l       | %        | %           |               |
| Dissolved Solids | 8800000      | 8570000    | 97.4     | 77.4-123    |               |

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) R3734111-1 11/26/21 12:20

| Analyte            | MB Result<br>ug/l | MB Qualifier | MB MDL<br>ug/l | MB RDL<br>ug/l |
|--------------------|-------------------|--------------|----------------|----------------|
| TPH - Oil & Grease | U                 |              | 725            | 5000           |

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

(LCS) R3734111-2 11/26/21 12:20 • (LCSD) R3734111-3 11/26/21 12:20

| Analyte            | Spike Amount<br>ug/l | LCS Result<br>ug/l | LCSD Result<br>ug/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|--------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| TPH - Oil & Grease | 20000                | 14300              | 13300               | 71.5          | 66.5           | 64.0-132         |               |                | 7.25     | 34              |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3732803-1 11/18/21 10:14

|          | MB Result | MB Qualifier | MB MDL | MB RDL |
|----------|-----------|--------------|--------|--------|
| Analyte  | ug/l      |              | ug/l   | ug/l   |
| Chloride | 393       | J            | 379    | 1000   |
| Fluoride | U         |              | 64.0   | 150    |
| Nitrate  | U         |              | 48.0   | 100    |
| Sulfate  | U         |              | 594    | 5000   |

L1432776-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1432776-07 11/18/21 19:40 • (DUP) R3732803-4 11/18/21 19:56

|          | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte  | ug/l            | ug/l       |          | %       |               | %              |
| Chloride | 71900           | 71700      | 1        | 0.184   |               | 15             |
| Fluoride | 66.0            | 66.2       | 1        | 0.303   | J             | 15             |
| Nitrate  | U               | U          | 1        | 0.000   |               | 15             |
| Sulfate  | 50000           | 50200      | 1        | 0.383   |               | 15             |

L1432070-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1432070-01 11/19/21 02:26 • (DUP) R3732803-7 11/19/21 02:42

|          | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte  | ug/l            | ug/l       |          | %       |               | %              |
| Chloride | 67700           | 72700      | 5        | 7.12    |               | 15             |
| Fluoride | 432             | 544        | 5        | 22.9    | J P1          | 15             |
| Nitrate  | U               | U          | 5        | 0.000   |               | 15             |
| Sulfate  | 304000          | 326000     | 5        | 6.89    |               | 15             |

Laboratory Control Sample (LCS)

(LCS) R3732803-2 11/18/21 10:30

|          | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------|--------------|------------|----------|-------------|---------------|
| Analyte  | ug/l         | ug/l       | %        | %           |               |
| Chloride | 40000        | 40300      | 101      | 80.0-120    |               |
| Fluoride | 8000         | 8260       | 103      | 80.0-120    |               |
| Nitrate  | 8000         | 8320       | 104      | 80.0-120    |               |
| Sulfate  | 40000        | 40200      | 101      | 80.0-120    |               |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1432776-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1432776-01 11/18/21 15:42 • (MS) R3732803-3 11/18/21 15:57

| Analyte  | Spike Amount<br>ug/l | Original Result<br>ug/l | MS Result<br>ug/l | MS Rec.<br>% | Dilution | Rec. Limits<br>% | <u>MS Qualifier</u> |
|----------|----------------------|-------------------------|-------------------|--------------|----------|------------------|---------------------|
| Chloride | 50000                | 867000                  | 903000            | 71.2         | 1        | 80.0-120         | <u>E</u> <u>V</u>   |
| Fluoride | 5000                 | 193                     | 4960              | 95.4         | 1        | 80.0-120         |                     |
| Nitrate  | 5000                 | 254                     | 5080              | 96.5         | 1        | 80.0-120         |                     |
| Sulfate  | 50000                | 311000                  | 357000            | 93.0         | 1        | 80.0-120         | <u>E</u>            |

L1431023-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1431023-02 11/19/21 01:22 • (MS) R3732803-5 11/19/21 01:38 • (MSD) R3732803-6 11/19/21 01:54

| Analyte  | Spike Amount<br>ug/l | Original Result<br>ug/l | MS Result<br>ug/l | MSD Result<br>ug/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | <u>MS Qualifier</u> | <u>MSD Qualifier</u> | RPD<br>% | RPD Limits<br>% |
|----------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|---------------------|----------------------|----------|-----------------|
| Chloride | 50000                | 91900                   | 141000            | 140000             | 97.5         | 96.4          | 1        | 80.0-120         | <u>E</u>            | <u>E</u>             | 0.400    | 15              |
| Fluoride | 5000                 | 298                     | 5390              | 5400               | 102          | 102           | 1        | 80.0-120         |                     |                      | 0.139    | 15              |
| Nitrate  | 5000                 | U                       | 4970              | 4930               | 99.4         | 98.6          | 1        | 80.0-120         |                     |                      | 0.889    | 15              |
| Sulfate  | 50000                | 118000                  | 167000            | 166000             | 97.4         | 96.5          | 1        | 80.0-120         | <u>E</u>            | <u>E</u>             | 0.288    | 15              |

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) R3733481-1 11/23/21 12:52

|          | MB Result | MB Qualifier | MB MDL | MB RDL |
|----------|-----------|--------------|--------|--------|
| Analyte  | ug/l      |              | ug/l   | ug/l   |
| Chloride | U         |              | 379    | 1000   |
| Sulfate  | U         |              | 594    | 5000   |

L1426737-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1426737-08 11/23/21 15:45 • (DUP) R3733481-3 11/23/21 15:58

|          | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte  | ug/l            | ug/l       |          | %       |               | %              |
| Chloride | 5750            | 5680       | 1        | 1.25    |               | 15             |
| Sulfate  | 7270            | 7260       | 1        | 0.0220  |               | 15             |

L1426206-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1426206-01 11/23/21 18:34 • (DUP) R3733481-6 11/23/21 21:11

|          | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte  | ug/l            | ug/l       |          | %       |               | %              |
| Chloride | 170000          | 166000     | 10       | 2.59    |               | 15             |
| Sulfate  | 343000          | 332000     | 10       | 3.51    |               | 15             |

Laboratory Control Sample (LCS)

(LCS) R3733481-2 11/23/21 13:06

|          | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------|--------------|------------|----------|-------------|---------------|
| Analyte  | ug/l         | ug/l       | %        | %           |               |
| Chloride | 40000        | 39300      | 98.3     | 80.0-120    |               |
| Sulfate  | 40000        | 39300      | 98.3     | 80.0-120    |               |

L1426737-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1426737-13 11/23/21 17:29 • (MS) R3733481-4 11/23/21 17:42 • (MSD) R3733481-5 11/23/21 17:55

|          | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD  | RPD Limits |
|----------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
| Analyte  | ug/l         | ug/l            | ug/l      | ug/l       | %       | %        |          | %           |              |               | %    | %          |
| Chloride | 50000        | 5290            | 53900     | 55500      | 97.3    | 100      | 1        | 80.0-120    |              |               | 2.85 | 15         |
| Sulfate  | 50000        | 1080            | 48800     | 50200      | 95.5    | 98.2     | 1        | 80.0-120    |              |               | 2.73 | 15         |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1426206-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1426206-01 11/23/21 18:34 • (MS) R3733481-7 11/23/21 21:24

| Analyte  | Spike Amount<br>ug/l | Original Result<br>ug/l | MS Result<br>ug/l | MS Rec.<br>% | Dilution | Rec. Limits<br>% | <u>MS Qualifier</u> |
|----------|----------------------|-------------------------|-------------------|--------------|----------|------------------|---------------------|
| Chloride | 50000                | 170000                  | 202000            | 63.7         | 10       | 80.0-120         | <u>J6</u>           |
| Sulfate  | 50000                | 343000                  | 354000            | 20.5         | 10       | 80.0-120         | <u>V</u>            |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3732767-2 11/22/21 23:11

|                            | MB Result | MB Qualifier | MB MDL | MB RDL |
|----------------------------|-----------|--------------|--------|--------|
| Analyte                    | ug/l      |              | ug/l   | ug/l   |
| TOC (Total Organic Carbon) | 474       | ⬇            | 102    | 1000   |

L1432776-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1432776-02 11/23/21 00:21 • (DUP) R3732767-5 11/23/21 00:40

|                            | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte                    | ug/l            | ug/l       |          | %       |               | %              |
| TOC (Total Organic Carbon) | 17400           | 17300      | 1        | 0.289   |               | 20             |

L1432912-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1432912-01 11/23/21 06:09 • (DUP) R3732767-8 11/23/21 06:22

|                            | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte                    | ug/l            | ug/l       |          | %       |               | %              |
| TOC (Total Organic Carbon) | 706             | 695        | 1        | 1.61    | ⬇             | 20             |

Laboratory Control Sample (LCS)

(LCS) R3732767-1 11/22/21 22:58

|                            | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------------------------|--------------|------------|----------|-------------|---------------|
| Analyte                    | ug/l         | ug/l       | %        | %           |               |
| TOC (Total Organic Carbon) | 75000        | 76000      | 101      | 85.0-115    |               |

L1432776-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1432776-01 11/22/21 23:24 • (MS) R3732767-3 11/22/21 23:43 • (MSD) R3732767-4 11/23/21 00:02

|                            | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD   | RPD Limits |
|----------------------------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|-------|------------|
| Analyte                    | ug/l         | ug/l            | ug/l      | ug/l       | %       | %        |          | %           |              |               | %     | %          |
| TOC (Total Organic Carbon) | 50000        | 1370            | 56000     | 55900      | 109     | 109      | 1        | 80.0-120    |              |               | 0.214 | 20         |

L1432776-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1432776-07 11/23/21 02:29 • (MS) R3732767-6 11/23/21 02:48 • (MSD) R3732767-7 11/23/21 03:08

|                            | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD  | RPD Limits |
|----------------------------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
| Analyte                    | ug/l         | ug/l            | ug/l      | ug/l       | %       | %        |          | %           |              |               | %    | %          |
| TOC (Total Organic Carbon) | 50000        | 1060            | 58600     | 58000      | 115     | 114      | 1        | 80.0-120    |              |               | 1.03 | 20         |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3734450-1 11/28/21 11:02

|         | MB Result | MB Qualifier | MB MDL | MB RDL |
|---------|-----------|--------------|--------|--------|
| Analyte | ug/l      |              | ug/l   | ug/l   |
| Mercury | U         |              | 0.100  | 0.200  |

Laboratory Control Sample (LCS)

(LCS) R3734450-2 11/28/21 11:04

|         | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------|--------------|------------|----------|-------------|---------------|
| Analyte | ug/l         | ug/l       | %        | %           |               |
| Mercury | 3.00         | 2.89       | 96.3     | 80.0-120    |               |

L1432579-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1432579-12 11/28/21 11:06 • (MS) R3734450-3 11/28/21 11:09 • (MSD) R3734450-4 11/28/21 11:11

|         | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD   | RPD Limits |
|---------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|-------|------------|
| Analyte | ug/l         | ug/l            | ug/l      | ug/l       | %       | %        |          | %           |              |               | %     | %          |
| Mercury | 3.00         | U               | 2.86      | 2.87       | 95.2    | 95.8     | 1        | 75.0-125    |              |               | 0.641 | 20         |

L1432633-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1432633-04 11/28/21 11:13 • (MS) R3734450-5 11/28/21 11:16 • (MSD) R3734450-6 11/28/21 11:18

|         | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD  | RPD Limits |
|---------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
| Analyte | ug/l         | ug/l            | ug/l      | ug/l       | %       | %        |          | %           |              |               | %    | %          |
| Mercury | 3.00         | U               | 2.77      | 2.67       | 92.4    | 89.1     | 1        | 75.0-125    |              |               | 3.57 | 20         |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3735725-1 12/01/21 09:37

|         | MB Result | MB Qualifier | MB MDL | MB RDL |
|---------|-----------|--------------|--------|--------|
| Analyte | ug/l      |              | ug/l   | ug/l   |
| Mercury | U         |              | 0.100  | 0.200  |

Laboratory Control Sample (LCS)

(LCS) R3735725-2 12/01/21 09:39

|         | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------|--------------|------------|----------|-------------|---------------|
| Analyte | ug/l         | ug/l       | %        | %           |               |
| Mercury | 3.00         | 3.47       | 116      | 80.0-120    |               |

L1432794-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1432794-01 12/01/21 09:41 • (MS) R3735725-3 12/01/21 09:43 • (MSD) R3735725-4 12/01/21 09:49

|         | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD  | RPD Limits |
|---------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
| Analyte | ug/l         | ug/l            | ug/l      | ug/l       | %       | %        |          | %           |              |               | %    | %          |
| Mercury | 3.00         | U               | 3.70      | 3.66       | 123     | 122      | 1        | 75.0-125    |              |               | 1.09 | 20         |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3736679-1 12/03/21 08:28

|         | MB Result | MB Qualifier | MB MDL | MB RDL |
|---------|-----------|--------------|--------|--------|
| Analyte | ug/l      |              | ug/l   | ug/l   |
| Mercury | U         |              | 0.100  | 0.200  |

Laboratory Control Sample (LCS)

(LCS) R3736679-2 12/03/21 08:30

|         | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------|--------------|------------|----------|-------------|---------------|
| Analyte | ug/l         | ug/l       | %        | %           |               |
| Mercury | 3.00         | 2.68       | 89.4     | 80.0-120    |               |

L1435844-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1435844-01 12/03/21 08:32 • (MS) R3736679-3 12/03/21 08:35 • (MSD) R3736679-4 12/03/21 08:37

|         | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD  | RPD Limits |
|---------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
| Analyte | ug/l         | ug/l            | ug/l      | ug/l       | %       | %        |          | %           |              |               | %    | %          |
| Mercury | 3.00         | U               | 2.79      | 2.65       | 93.0    | 88.4     | 1        | 75.0-125    |              |               | 5.11 | 20         |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3739621-1 12/10/21 20:52

| Analyte   | MB Result<br>ug/l | MB Qualifier | MB MDL<br>ug/l | MB RDL<br>ug/l |
|-----------|-------------------|--------------|----------------|----------------|
| Arsenic   | U                 |              | 4.40           | 10.0           |
| Barium    | U                 |              | 0.736          | 5.00           |
| Cadmium   | U                 |              | 0.479          | 2.00           |
| Chromium  | 1.70              | U            | 1.40           | 10.0           |
| Copper    | 3.84              | U            | 3.68           | 10.0           |
| Iron      | U                 |              | 18.0           | 100            |
| Lead      | U                 |              | 2.99           | 6.00           |
| Manganese | U                 |              | 0.934          | 10.0           |
| Selenium  | U                 |              | 7.35           | 10.0           |
| Silver    | U                 |              | 1.54           | 5.00           |
| Zinc      | U                 |              | 6.52           | 50.0           |

Laboratory Control Sample (LCS)

(LCS) R3739621-2 12/10/21 20:55

| Analyte   | Spike Amount<br>ug/l | LCS Result<br>ug/l | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|-----------|----------------------|--------------------|---------------|------------------|---------------|
| Arsenic   | 1000                 | 933                | 93.3          | 80.0-120         |               |
| Barium    | 1000                 | 997                | 99.7          | 80.0-120         |               |
| Cadmium   | 1000                 | 969                | 96.9          | 80.0-120         |               |
| Chromium  | 1000                 | 966                | 96.6          | 80.0-120         |               |
| Copper    | 1000                 | 959                | 95.9          | 80.0-120         |               |
| Iron      | 10000                | 9470               | 94.7          | 80.0-120         |               |
| Lead      | 1000                 | 972                | 97.2          | 80.0-120         |               |
| Manganese | 1000                 | 957                | 95.7          | 80.0-120         |               |
| Selenium  | 1000                 | 950                | 95.0          | 80.0-120         |               |
| Silver    | 200                  | 175                | 87.6          | 80.0-120         |               |
| Zinc      | 1000                 | 955                | 95.5          | 80.0-120         |               |

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

(OS) • (MS) R3739621-4 12/10/21 21:03 • (MSD) R3739621-5 12/10/21 21:05

| Analyte  | Spike Amount<br>ug/l | Original Result<br>ug/l | MS Result<br>ug/l | MSD Result<br>ug/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Arsenic  | 1000                 |                         | 984               | 987                | 98.4         | 98.7          | 1        | 75.0-125         |              |               | 0.356    | 20              |
| Barium   | 1000                 |                         | 1060              | 1060               | 101          | 101           | 1        | 75.0-125         |              |               | 0.105    | 20              |
| Cadmium  | 1000                 |                         | 1000              | 1000               | 100          | 100           | 1        | 75.0-125         |              |               | 0.0155   | 20              |
| Chromium | 1000                 |                         | 983               | 990                | 98.2         | 98.8          | 1        | 75.0-125         |              |               | 0.631    | 20              |
| Copper   | 1000                 |                         | 1010              | 1030               | 98.6         | 101           | 1        | 75.0-125         |              |               | 2.26     | 20              |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(OS) • (MS) R3739621-4 12/10/21 21:03 • (MSD) R3739621-5 12/10/21 21:05

| Analyte   | Spike Amount<br>ug/l | Original Result | MS Result<br>ug/l | MSD Result<br>ug/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------|----------------------|-----------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Iron      | 10000                |                 | 9780              | 9830               | 96.4         | 96.8          | 1        | 75.0-125         |              |               | 0.470    | 20              |
| Lead      | 1000                 |                 | 1000              | 1010               | 100          | 101           | 1        | 75.0-125         |              |               | 0.281    | 20              |
| Manganese | 1000                 |                 | 1210              | 1230               | 95.5         | 96.8          | 1        | 75.0-125         |              |               | 1.07     | 20              |
| Selenium  | 1000                 |                 | 980               | 991                | 98.0         | 99.1          | 1        | 75.0-125         |              |               | 1.16     | 20              |
| Silver    | 200                  |                 | 182               | 181                | 90.9         | 90.5          | 1        | 75.0-125         |              |               | 0.418    | 20              |
| Zinc      | 1000                 |                 | 966               | 980                | 96.6         | 98.0          | 1        | 75.0-125         |              |               | 1.45     | 20              |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3739635-1 12/11/21 01:24

| Analyte   | MB Result<br>ug/l | MB Qualifier | MB MDL<br>ug/l | MB RDL<br>ug/l |
|-----------|-------------------|--------------|----------------|----------------|
| Arsenic   | U                 |              | 4.40           | 10.0           |
| Barium    | U                 |              | 0.736          | 5.00           |
| Cadmium   | U                 |              | 0.479          | 2.00           |
| Chromium  | U                 |              | 1.40           | 10.0           |
| Copper    | U                 |              | 3.68           | 10.0           |
| Iron      | U                 |              | 18.0           | 100            |
| Lead      | U                 |              | 2.99           | 6.00           |
| Manganese | U                 |              | 0.934          | 10.0           |
| Selenium  | U                 |              | 7.35           | 10.0           |
| Silver    | U                 |              | 1.54           | 5.00           |
| Zinc      | U                 |              | 6.52           | 50.0           |

Laboratory Control Sample (LCS)

(LCS) R3739635-2 12/11/21 01:27

| Analyte   | Spike Amount<br>ug/l | LCS Result<br>ug/l | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|-----------|----------------------|--------------------|---------------|------------------|---------------|
| Arsenic   | 1000                 | 975                | 97.5          | 80.0-120         |               |
| Barium    | 1000                 | 1010               | 101           | 80.0-120         |               |
| Cadmium   | 1000                 | 988                | 98.8          | 80.0-120         |               |
| Chromium  | 1000                 | 993                | 99.3          | 80.0-120         |               |
| Copper    | 1000                 | 988                | 98.8          | 80.0-120         |               |
| Iron      | 10000                | 9510               | 95.1          | 80.0-120         |               |
| Lead      | 1000                 | 991                | 99.1          | 80.0-120         |               |
| Manganese | 1000                 | 1010               | 101           | 80.0-120         |               |
| Selenium  | 1000                 | 1000               | 100           | 80.0-120         |               |
| Silver    | 200                  | 187                | 93.5          | 80.0-120         |               |
| Zinc      | 1000                 | 978                | 97.8          | 80.0-120         |               |

L1432776-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1432776-11 12/11/21 01:30 • (MS) R3739635-4 12/11/21 01:36 • (MSD) R3739635-5 12/11/21 01:39

| Analyte  | Spike Amount<br>ug/l | Original Result<br>ug/l | MS Result<br>ug/l | MSD Result<br>ug/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Arsenic  | 1000                 | U                       | 1060              | 1070               | 106          | 107           | 1        | 75.0-125         |              |               | 1.22     | 20              |
| Barium   | 1000                 | 54.3                    | 1050              | 1070               | 99.9         | 101           | 1        | 75.0-125         |              |               | 1.10     | 20              |
| Cadmium  | 1000                 | U                       | 1050              | 1060               | 105          | 106           | 1        | 75.0-125         |              |               | 0.561    | 20              |
| Chromium | 1000                 | U                       | 972               | 981                | 97.2         | 98.1          | 1        | 75.0-125         |              |               | 0.992    | 20              |
| Copper   | 1000                 | U                       | 1040              | 1050               | 104          | 105           | 1        | 75.0-125         |              |               | 1.52     | 20              |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1432776-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1432776-11 12/11/21 01:30 • (MS) R3739635-4 12/11/21 01:36 • (MSD) R3739635-5 12/11/21 01:39

| Analyte   | Spike Amount<br>ug/l | Original Result<br>ug/l | MS Result<br>ug/l | MSD Result<br>ug/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Iron      | 10000                | 137                     | 9590              | 9880               | 94.5         | 97.5          | 1        | 75.0-125         |              |               | 3.00     | 20              |
| Lead      | 1000                 | U                       | 1000              | 1020               | 100          | 102           | 1        | 75.0-125         |              |               | 1.54     | 20              |
| Manganese | 1000                 | 126                     | 1100              | 1110               | 97.6         | 98.2          | 1        | 75.0-125         |              |               | 0.512    | 20              |
| Selenium  | 1000                 | U                       | 1070              | 1080               | 107          | 108           | 1        | 75.0-125         |              |               | 0.218    | 20              |
| Silver    | 200                  | U                       | 203               | 204                | 101          | 102           | 1        | 75.0-125         |              |               | 0.763    | 20              |
| Zinc      | 1000                 | 13.8                    | 978               | 983                | 96.4         | 96.9          | 1        | 75.0-125         |              |               | 0.479    | 20              |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3734489-2 11/23/21 22:38

| Analyte                   | MB Result<br>ug/l | MB Qualifier | MB MDL<br>ug/l | MB RDL<br>ug/l |
|---------------------------|-------------------|--------------|----------------|----------------|
| Benzene                   | U                 |              | 0.0941         | 1.00           |
| Carbon tetrachloride      | U                 |              | 0.128          | 1.00           |
| 1,4-Dichlorobenzene       | U                 |              | 0.120          | 1.00           |
| 1,2-Dichloroethane        | U                 |              | 0.0819         | 1.00           |
| 1,1-Dichloroethene        | U                 |              | 0.188          | 1.00           |
| 1,1,1-Trichloroethane     | U                 |              | 0.149          | 1.00           |
| Trichloroethene           | U                 |              | 0.190          | 1.00           |
| Vinyl chloride            | U                 |              | 0.234          | 1.00           |
| (S) Toluene-d8            | 112               |              |                | 80.0-120       |
| (S) 4-Bromofluorobenzene  | 92.5              |              |                | 77.0-126       |
| (S) 1,2-Dichloroethane-d4 | 127               |              |                | 70.0-130       |

Laboratory Control Sample (LCS)

(LCS) R3734489-1 11/23/21 20:38

| Analyte                   | Spike Amount<br>ug/l | LCS Result<br>ug/l | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|---------------------------|----------------------|--------------------|---------------|------------------|---------------|
| Benzene                   | 5.00                 | 4.72               | 94.4          | 70.0-123         |               |
| Carbon tetrachloride      | 5.00                 | 5.93               | 119           | 68.0-126         |               |
| 1,4-Dichlorobenzene       | 5.00                 | 4.37               | 87.4          | 79.0-120         |               |
| 1,2-Dichloroethane        | 5.00                 | 5.13               | 103           | 70.0-128         |               |
| 1,1-Dichloroethene        | 5.00                 | 4.42               | 88.4          | 71.0-124         |               |
| 1,1,1-Trichloroethane     | 5.00                 | 5.30               | 106           | 73.0-124         |               |
| Trichloroethene           | 5.00                 | 4.97               | 99.4          | 78.0-124         |               |
| Vinyl chloride            | 5.00                 | 5.71               | 114           | 67.0-131         |               |
| (S) Toluene-d8            |                      |                    | 108           | 80.0-120         |               |
| (S) 4-Bromofluorobenzene  |                      |                    | 97.4          | 77.0-126         |               |
| (S) 1,2-Dichloroethane-d4 |                      |                    | 128           | 70.0-130         |               |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3734425-3 11/25/21 07:29

| Analyte                   | MB Result<br>ug/l | MB Qualifier | MB MDL<br>ug/l | MB RDL<br>ug/l |
|---------------------------|-------------------|--------------|----------------|----------------|
| Benzene                   | U                 |              | 0.0941         | 1.00           |
| Carbon tetrachloride      | U                 |              | 0.128          | 1.00           |
| 1,4-Dichlorobenzene       | U                 |              | 0.120          | 1.00           |
| 1,2-Dichloroethane        | U                 |              | 0.0819         | 1.00           |
| 1,1-Dichloroethene        | U                 |              | 0.188          | 1.00           |
| 1,1,1-Trichloroethane     | U                 |              | 0.149          | 1.00           |
| Trichloroethene           | U                 |              | 0.190          | 1.00           |
| Vinyl chloride            | U                 |              | 0.234          | 1.00           |
| (S) Toluene-d8            | 110               |              |                | 80.0-120       |
| (S) 4-Bromofluorobenzene  | 96.8              |              |                | 77.0-126       |
| (S) 1,2-Dichloroethane-d4 | 107               |              |                | 70.0-130       |

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

(LCS) R3734425-1 11/25/21 06:32 • (LCSD) R3734425-2 11/25/21 06:51

| Analyte                   | Spike Amount<br>ug/l | LCS Result<br>ug/l | LCSD Result<br>ug/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Benzene                   | 5.00                 | 4.21               | 4.64                | 84.2          | 92.8           | 70.0-123         |               |                | 9.72     | 20              |
| Carbon tetrachloride      | 5.00                 | 4.22               | 4.78                | 84.4          | 95.6           | 68.0-126         |               |                | 12.4     | 20              |
| 1,4-Dichlorobenzene       | 5.00                 | 4.74               | 5.17                | 94.8          | 103            | 79.0-120         |               |                | 8.68     | 20              |
| 1,2-Dichloroethane        | 5.00                 | 4.59               | 5.08                | 91.8          | 102            | 70.0-128         |               |                | 10.1     | 20              |
| 1,1-Dichloroethene        | 5.00                 | 4.42               | 4.94                | 88.4          | 98.8           | 71.0-124         |               |                | 11.1     | 20              |
| 1,1,1-Trichloroethane     | 5.00                 | 4.32               | 5.08                | 86.4          | 102            | 73.0-124         |               |                | 16.2     | 20              |
| Trichloroethene           | 5.00                 | 4.57               | 5.05                | 91.4          | 101            | 78.0-124         |               |                | 9.98     | 20              |
| Vinyl chloride            | 5.00                 | 4.33               | 5.42                | 86.6          | 108            | 67.0-131         |               | J3             | 22.4     | 20              |
| (S) Toluene-d8            |                      |                    |                     | 111           | 112            | 80.0-120         |               |                |          |                 |
| (S) 4-Bromofluorobenzene  |                      |                    |                     | 93.0          | 99.2           | 77.0-126         |               |                |          |                 |
| (S) 1,2-Dichloroethane-d4 |                      |                    |                     | 106           | 109            | 70.0-130         |               |                |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3733224-1 11/22/21 10:23

| Analyte                  | MB Result<br>ug/l | MB Qualifier | MB MDL<br>ug/l | MB RDL<br>ug/l |
|--------------------------|-------------------|--------------|----------------|----------------|
| Gamma BHC                | U                 |              | 0.0209         | 0.0500         |
| (S) Decachlorobiphenyl   | 102               |              |                | 10.0-128       |
| (S) Tetrachloro-m-xylene | 80.0              |              |                | 10.0-127       |

Laboratory Control Sample (LCS)

(LCS) R3733224-2 11/22/21 10:32

| Analyte                  | Spike Amount<br>ug/l | LCS Result<br>ug/l | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|--------------------------|----------------------|--------------------|---------------|------------------|---------------|
| Gamma BHC                | 1.00                 | 1.02               | 102           | 55.0-129         |               |
| (S) Decachlorobiphenyl   |                      |                    | 98.5          | 10.0-128         |               |
| (S) Tetrachloro-m-xylene |                      |                    | 78.8          | 10.0-127         |               |

L1432315-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1432315-01 11/22/21 10:41 • (MS) R3733224-3 11/22/21 10:50 • (MSD) R3733224-4 11/22/21 10:58

| Analyte                  | Spike Amount<br>ug/l | Original Result<br>ug/l | MS Result<br>ug/l | MSD Result<br>ug/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|--------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Gamma BHC                | 1.00                 | U                       | 1.04              | 1.08               | 104          | 108           | 1        | 14.0-141         |              |               | 3.77     | 40              |
| (S) Decachlorobiphenyl   |                      |                         |                   |                    | 107          | 104           |          | 10.0-128         |              |               |          |                 |
| (S) Tetrachloro-m-xylene |                      |                         |                   |                    | 87.0         | 87.3          |          | 10.0-127         |              |               |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3733580-1 11/23/21 08:32

| Analyte                  | MB Result<br>ug/l | MB Qualifier | MB MDL<br>ug/l | MB RDL<br>ug/l |
|--------------------------|-------------------|--------------|----------------|----------------|
| Gamma BHC                | U                 |              | 0.0209         | 0.0500         |
| (S) Decachlorobiphenyl   | 96.8              |              |                | 10.0-128       |
| (S) Tetrachloro-m-xylene | 115               |              |                | 10.0-127       |

Laboratory Control Sample (LCS)

(LCS) R3733580-2 11/23/21 08:41

| Analyte                  | Spike Amount<br>ug/l | LCS Result<br>ug/l | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|--------------------------|----------------------|--------------------|---------------|------------------|---------------|
| Gamma BHC                | 1.00                 | 1.05               | 105           | 55.0-129         |               |
| (S) Decachlorobiphenyl   |                      |                    | 90.1          | 10.0-128         |               |
| (S) Tetrachloro-m-xylene |                      |                    | 99.0          | 10.0-127         |               |

L1433026-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1433026-01 11/23/21 11:36 • (MS) R3733580-3 11/23/21 11:45 • (MSD) R3733580-4 11/23/21 11:54

| Analyte                  | Spike Amount<br>ug/l | Original Result<br>ug/l | MS Result<br>ug/l | MSD Result<br>ug/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|--------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Gamma BHC                | 1.00                 | U                       | 1.04              | 0.999              | 104          | 99.9          | 1        | 14.0-141         |              |               | 4.02     | 40              |
| (S) Decachlorobiphenyl   |                      |                         |                   |                    | 97.0         | 92.5          |          | 10.0-128         |              |               |          |                 |
| (S) Tetrachloro-m-xylene |                      |                         |                   |                    | 101          | 94.8          |          | 10.0-127         |              |               |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

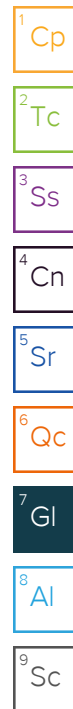
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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

| Qualifier | Description                                                                                                                                     |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| B         | The same analyte is found in the associated blank.                                                                                              |
| 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.                                                             |
| 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.                                           |
| O1        | The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference. |
| P1        | RPD value not applicable for sample concentrations less than 5 times the reporting limit.                                                       |
| V         | The sample concentration is too high to evaluate accurate spike recoveries.                                                                     |



# ACCREDITATIONS & LOCATIONS

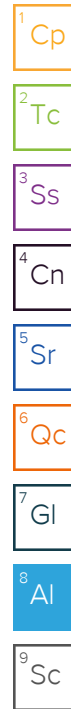
## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

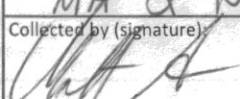
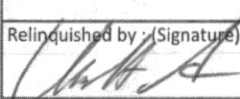
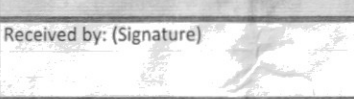
|                                |             |                             |                  |
|--------------------------------|-------------|-----------------------------|------------------|
| Alabama                        | 40660       | Nebraska                    | NE-OS-15-05      |
| Alaska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

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

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

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



|                                                                                                                                            |  |  |  |                                                                                                                                                                                                                                                                                                                |               |                                                                                                                  |          |                                               |    |                                                                                        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |   |   |   |  |     |  |                                                                                                                                                                                                                                                                                                                                                                                                 |  |
|--------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------------------------------------------------------------------------------------|----------|-----------------------------------------------|----|----------------------------------------------------------------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|--|-----|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Company Name/Address:<br><b>Terracon - Little Rock, AR</b><br><br>25809 I-30<br>Bryant, AR 72022                                           |  |  |  | Billing Information:<br><b>Accounts Payable</b><br>25809 I-30<br>Bryant, AR 72022                                                                                                                                                                                                                              |               |                                                                                                                  |          | Pres<br>Chk                                   |    | Analysis / Container / Preservative                                                    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |   |   |   |  |     |  | Chain of Custody Page <b>1</b> of <b>2</b>                                                                                                                                                                                                                                                                                                                                                      |  |
| Report to:<br><b>David Jaros</b>                                                                                                           |  |  |  | Email To:<br>David.Jaros@terracon.com;Paul.Gramling@terracon.com                                                                                                                                                                                                                                               |               |                                                                                                                  |          |                                               |    |                                                                                        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |   |   |   |  |     |  | <br>12065 Lebanon Rd Mount Juliet, TN 37122<br>Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <a href="https://info.pacelabs.com/hubfs/pas-standard-terms.pdf">https://info.pacelabs.com/hubfs/pas-standard-terms.pdf</a> |  |
| Project Description:<br>Georgia Pacific-Crossett Facility                                                                                  |  |  |  | City/State<br>Collected:                                                                                                                                                                                                                                                                                       |               |                                                                                                                  |          | Please Circle:<br>PT MT CT ET                 |    |                                                                                        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |   |   |   |  |     |  |                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| Phone: <b>501-847-9292</b>                                                                                                                 |  |  |  | Client Project #<br><b>35177052A</b>                                                                                                                                                                                                                                                                           |               |                                                                                                                  |          | Lab Project #<br><b>GENENLAR-GAPACIFIC</b>    |    |                                                                                        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |   |   |   |  |     |  |                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| Collected by (print):<br><b>MA &amp; NW</b>                                                                                                |  |  |  | Site/Facility ID #<br><b>GP Crossett</b>                                                                                                                                                                                                                                                                       |               |                                                                                                                  |          | P.O. #                                        |    |                                                                                        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |   |   |   |  |     |  | SDG # <b>U432776</b>                                                                                                                                                                                                                                                                                                                                                                            |  |
| Collected by (signature):<br>                              |  |  |  | <b>Rush?</b> (Lab MUST Be Notified)<br><input type="checkbox"/> Same Day <input type="checkbox"/> Five Day<br><input type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only)<br><input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only)<br><input type="checkbox"/> Three Day |               |                                                                                                                  |          | Quote #                                       |    |                                                                                        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |   |   |   |  |     |  | Table <b>H139</b>                                                                                                                                                                                                                                                                                                                                                                               |  |
| Immediately<br>Packed on Ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/>                                              |  |  |  | Date Results Needed                                                                                                                                                                                                                                                                                            |               |                                                                                                                  |          | No. of<br>Cnts                                |    |                                                                                        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |   |   |   |  |     |  | Acctnum: <b>GENENLAR</b>                                                                                                                                                                                                                                                                                                                                                                        |  |
|                                                                                                                                            |  |  |  |                                                                                                                                                                                                                                                                                                                |               |                                                                                                                  |          |                                               |    |                                                                                        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |   |   |   |  |     |  | Template: <b>T199306</b>                                                                                                                                                                                                                                                                                                                                                                        |  |
|                                                                                                                                            |  |  |  |                                                                                                                                                                                                                                                                                                                |               |                                                                                                                  |          |                                               |    |                                                                                        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |   |   |   |  |     |  | Prelogin: <b>P886986</b>                                                                                                                                                                                                                                                                                                                                                                        |  |
|                                                                                                                                            |  |  |  |                                                                                                                                                                                                                                                                                                                |               |                                                                                                                  |          |                                               |    |                                                                                        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |   |   |   |  |     |  | PM: <b>134 - Mark W. Beasley</b>                                                                                                                                                                                                                                                                                                                                                                |  |
|                                                                                                                                            |  |  |  |                                                                                                                                                                                                                                                                                                                |               |                                                                                                                  |          |                                               |    |                                                                                        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |   |   |   |  |     |  | PB: <b>11/12/21</b>                                                                                                                                                                                                                                                                                                                                                                             |  |
|                                                                                                                                            |  |  |  |                                                                                                                                                                                                                                                                                                                |               |                                                                                                                  |          |                                               |    |                                                                                        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |   |   |   |  |     |  | Shipped Via: <b>FedEX Ground</b>                                                                                                                                                                                                                                                                                                                                                                |  |
|                                                                                                                                            |  |  |  |                                                                                                                                                                                                                                                                                                                |               |                                                                                                                  |          |                                               |    |                                                                                        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |   |   |   |  |     |  | Remarks                                                                                                                                                                                                                                                                                                                                                                                         |  |
|                                                                                                                                            |  |  |  |                                                                                                                                                                                                                                                                                                                |               |                                                                                                                  |          |                                               |    |                                                                                        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |   |   |   |  |     |  | Sample # (lab only)                                                                                                                                                                                                                                                                                                                                                                             |  |
| Sample ID                                                                                                                                  |  |  |  | Comp/Grab                                                                                                                                                                                                                                                                                                      | Matrix *      | Depth                                                                                                            | Date     | Time                                          |    |                                                                                        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |   |   |   |  |     |  |                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| MW-1                                                                                                                                       |  |  |  |                                                                                                                                                                                                                                                                                                                | GW            |                                                                                                                  | 11-17-21 | 1324                                          | 11 | X                                                                                      | X | X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | X | X | X | X |  | -01 |  |                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| MW-2N                                                                                                                                      |  |  |  |                                                                                                                                                                                                                                                                                                                | GW            |                                                                                                                  | 11-17-21 | 1247                                          | 11 | X                                                                                      | X | X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | X | X | X | X |  | -02 |  |                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| MW-3                                                                                                                                       |  |  |  |                                                                                                                                                                                                                                                                                                                | GW            |                                                                                                                  | 11-17-21 | 1232                                          | 11 | X                                                                                      | X | X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | X | X | X | X |  | -03 |  |                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| MW-4                                                                                                                                       |  |  |  |                                                                                                                                                                                                                                                                                                                | GW            |                                                                                                                  | 11-17-21 | 1148                                          | 11 | X                                                                                      | X | X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | X | X | X | X |  | -04 |  |                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| MW-5                                                                                                                                       |  |  |  |                                                                                                                                                                                                                                                                                                                | GW            |                                                                                                                  | 11-17-21 | 1132                                          | 11 | X                                                                                      | X | X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | X | X | X | X |  | -05 |  |                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| MW-6                                                                                                                                       |  |  |  |                                                                                                                                                                                                                                                                                                                | GW            |                                                                                                                  | 11-17-21 | 1435                                          | 11 | X                                                                                      | X | X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | X | X | X | X |  | -06 |  |                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| MW-7                                                                                                                                       |  |  |  |                                                                                                                                                                                                                                                                                                                | GW            |                                                                                                                  | 11-17-21 | 1526                                          | 11 | X                                                                                      | X | X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | X | X | X | X |  | -07 |  |                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| DUPE                                                                                                                                       |  |  |  |                                                                                                                                                                                                                                                                                                                | GW            |                                                                                                                  | 11-17-21 | 1235                                          | 11 | X                                                                                      | X | X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | X | X | X | X |  | -08 |  |                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| FIELD BLANK                                                                                                                                |  |  |  |                                                                                                                                                                                                                                                                                                                | GW            |                                                                                                                  | 11-17-21 | 1435                                          | 11 | X                                                                                      | X | X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | X | X | X | X |  | -09 |  |                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| LEACHATE                                                                                                                                   |  |  |  |                                                                                                                                                                                                                                                                                                                | GW            |                                                                                                                  | 11-17-21 | 1515                                          | 11 | X                                                                                      | X | X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | X | X | X | X |  | -10 |  |                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| * Matrix:<br>SS - Soil   AIR - Air   F - Filter<br>GW - Groundwater   B - Bioassay<br>WW - WasteWater<br>DW - Drinking Water<br>OT - Other |  |  |  | Remarks: V8260 = Includes Extended list<br>Metals = Ag,As,Ba,Cd,Cr,Cu,Fe,Hg,Mn,Pb,Se,Zn                                                                                                                                                                                                                        |               |                                                                                                                  |          | pH _____ Temp _____<br>Flow _____ Other _____ |    |                                                                                        |   | Sample Receipt Checklist<br>COC Seal Present/Intact: <input checked="" type="checkbox"/> NP <input type="checkbox"/> N<br>COC Signed/Accurate: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>Bottles arrive intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>Correct bottles used: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>Sufficient volume sent: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>If Applicable<br>VOA Zero Headspace: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>Preservation Correct/Checked: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>RAD Screen <0.5 mR/hr: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |   |   |   |   |  |     |  |                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| Samples returned via:<br><input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier                      |  |  |  | Tracking #                                                                                                                                                                                                                                                                                                     |               |                                                                                                                  |          |                                               |    |                                                                                        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |   |   |   |  |     |  |                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| Relinquished by: (Signature)<br>                         |  |  |  | Date:<br>11-17-21                                                                                                                                                                                                                                                                                              | Time:<br>1830 | Received by: (Signature)<br> |          |                                               |    | Trip Blank Received: <input checked="" type="checkbox"/> Yes / No<br>HCL / MeOH<br>TBR |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |   |   |   |  |     |  |                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| Relinquished by: (Signature)                                                                                                               |  |  |  | Date:                                                                                                                                                                                                                                                                                                          | Time:         | Received by: (Signature)                                                                                         |          |                                               |    | Temp: <b>12.3</b><br><b>1.3±0.1.3</b> 132                                              |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |   |   |   |  |     |  |                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| Relinquished by: (Signature)                                                                                                               |  |  |  | Date:                                                                                                                                                                                                                                                                                                          | Time:         | Received for lab by: (Signature)<br><b>T. Robertson</b>                                                          |          |                                               |    | Date: <b>11/18/21</b> Time: <b>930</b>                                                 |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |   |   |   |  |     |  |                                                                                                                                                                                                                                                                                                                                                                                                 |  |
|                                                                                                                                            |  |  |  |                                                                                                                                                                                                                                                                                                                |               |                                                                                                                  |          | Hold:                                         |    |                                                                                        |   | Condition:<br>NCF / <b>OK</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |   |   |   |  |     |  |                                                                                                                                                                                                                                                                                                                                                                                                 |  |

[illegible]

LH32776

| <u>Tracking<br/>Numbers</u> |  | <u>Temperature</u> |
|-----------------------------|--|--------------------|
| 5318 9C160 0213             |  | 1.3.               |
| ↓ 0202                      |  | .4                 |
| ↓ 0235                      |  | 3.3                |
| ↓ 0246                      |  | 2.6                |
| ↓ 0224                      |  | .4                 |
|                             |  |                    |

# Verification Event Analytical Data

## Terracon - Little Rock, AR

Sample Delivery Group: L1462851  
Samples Received: 02/17/2022  
Project Number:  
Description: Georgia Pacific-Crossett Facility  
  
Report To: David Jaros  
25809 I-30  
Bryant, AR 72022

Entire Report Reviewed By:



Mark W. Beasley  
Project Manager

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

Pace Analytical National

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

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# SAMPLE SUMMARY

## MW-3 L1462851-01 GW

|                                |           |          |                       | Collected by<br>Wes Williams | Collected date/time<br>02/15/22 14:15 | Received date/time<br>02/17/22 09:30 |
|--------------------------------|-----------|----------|-----------------------|------------------------------|---------------------------------------|--------------------------------------|
| Method                         | Batch     | Dilution | Preparation date/time | Analysis date/time           | Analyst                               | Location                             |
| Pesticides (GC) by Method 8081 | WG1820942 | 1        | 02/21/22 22:27        | 02/22/22 17:52               | JMB                                   | Mt. Juliet, TN                       |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

## MW-4 L1462851-02 GW

|                                |           |          |                       | Collected by<br>Wes Williams | Collected date/time<br>02/15/22 14:58 | Received date/time<br>02/17/22 09:30 |
|--------------------------------|-----------|----------|-----------------------|------------------------------|---------------------------------------|--------------------------------------|
| Method                         | Batch     | Dilution | Preparation date/time | Analysis date/time           | Analyst                               | Location                             |
| Pesticides (GC) by Method 8081 | WG1820942 | 1        | 02/21/22 22:27        | 02/22/22 18:18               | JMB                                   | Mt. Juliet, TN                       |

<sup>4</sup>Cn

<sup>5</sup>Sr

## MW-5 L1462851-03 GW

|                                |           |          |                       | Collected by<br>Wes Williams | Collected date/time<br>02/15/22 11:38 | Received date/time<br>02/17/22 09:30 |
|--------------------------------|-----------|----------|-----------------------|------------------------------|---------------------------------------|--------------------------------------|
| Method                         | Batch     | Dilution | Preparation date/time | Analysis date/time           | Analyst                               | Location                             |
| Pesticides (GC) by Method 8081 | WG1820942 | 1        | 02/21/22 22:27        | 02/22/22 18:27               | JMB                                   | Mt. Juliet, TN                       |

<sup>6</sup>Qc

<sup>7</sup>Gl

## MW-6 L1462851-04 GW

|                                |           |          |                       | Collected by<br>Wes Williams | Collected date/time<br>02/15/22 12:36 | Received date/time<br>02/17/22 09:30 |
|--------------------------------|-----------|----------|-----------------------|------------------------------|---------------------------------------|--------------------------------------|
| Method                         | Batch     | Dilution | Preparation date/time | Analysis date/time           | Analyst                               | Location                             |
| Pesticides (GC) by Method 8081 | WG1820944 | 1        | 02/21/22 17:20        | 02/24/22 14:52               | HLJ                                   | Mt. Juliet, TN                       |

<sup>8</sup>Al

<sup>9</sup>Sc

## MW-7 L1462851-05 GW

|                                |           |          |                       | Collected by<br>Wes Williams | Collected date/time<br>02/15/22 15:20 | Received date/time<br>02/17/22 09:30 |
|--------------------------------|-----------|----------|-----------------------|------------------------------|---------------------------------------|--------------------------------------|
| Method                         | Batch     | Dilution | Preparation date/time | Analysis date/time           | Analyst                               | Location                             |
| Pesticides (GC) by Method 8081 | WG1820944 | 1        | 02/21/22 17:20        | 02/24/22 15:01               | HLJ                                   | Mt. Juliet, TN                       |

## FB L1462851-06 GW

|                                |           |          |                       | Collected by<br>Wes Williams | Collected date/time<br>02/15/22 12:12 | Received date/time<br>02/17/22 09:30 |
|--------------------------------|-----------|----------|-----------------------|------------------------------|---------------------------------------|--------------------------------------|
| Method                         | Batch     | Dilution | Preparation date/time | Analysis date/time           | Analyst                               | Location                             |
| Pesticides (GC) by Method 8081 | WG1820944 | 1        | 02/21/22 17:20        | 02/24/22 15:10               | HLJ                                   | Mt. Juliet, TN                       |

## DUP L1462851-07 GW

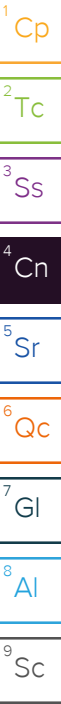
|                                |           |          |                       | Collected by<br>Wes Williams | Collected date/time<br>02/15/22 12:38 | Received date/time<br>02/17/22 09:30 |
|--------------------------------|-----------|----------|-----------------------|------------------------------|---------------------------------------|--------------------------------------|
| Method                         | Batch     | Dilution | Preparation date/time | Analysis date/time           | Analyst                               | Location                             |
| Pesticides (GC) by Method 8081 | WG1820944 | 1        | 02/21/22 17:20        | 02/24/22 15:19               | HLJ                                   | 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.



Mark W. Beasley  
Project Manager



Pesticides (GC) by Method 8081

| Analyte                  | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|--------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Gamma BHC                | U              |           | 0.0209      | 0.0500      | 1        | 02/22/2022 17:52        | <a href="#">WG1820942</a> |
| (S) Decachlorobiphenyl   | 88.1           |           |             | 10.0-128    |          | 02/22/2022 17:52        | <a href="#">WG1820942</a> |
| (S) Tetrachloro-m-xylene | 107            |           |             | 10.0-127    |          | 02/22/2022 17:52        | <a href="#">WG1820942</a> |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Pesticides (GC) by Method 8081

| Analyte                  | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|--------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Gamma BHC                | U              |           | 0.0209      | 0.0500      | 1        | 02/22/2022 18:18        | <a href="#">WG1820942</a> |
| (S) Decachlorobiphenyl   | 92.0           |           |             | 10.0-128    |          | 02/22/2022 18:18        | <a href="#">WG1820942</a> |
| (S) Tetrachloro-m-xylene | 101            |           |             | 10.0-127    |          | 02/22/2022 18:18        | <a href="#">WG1820942</a> |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Pesticides (GC) by Method 8081

| Analyte                  | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|--------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Gamma BHC                | U              |           | 0.0209      | 0.0500      | 1        | 02/22/2022 18:27        | <a href="#">WG1820942</a> |
| (S) Decachlorobiphenyl   | 99.4           |           |             | 10.0-128    |          | 02/22/2022 18:27        | <a href="#">WG1820942</a> |
| (S) Tetrachloro-m-xylene | 106            |           |             | 10.0-127    |          | 02/22/2022 18:27        | <a href="#">WG1820942</a> |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Pesticides (GC) by Method 8081

| Analyte                  | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|--------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Gamma BHC                | U              |           | 0.0209      | 0.0500      | 1        | 02/24/2022 14:52        | <a href="#">WG1820944</a> |
| (S) Decachlorobiphenyl   | 68.2           |           |             | 10.0-128    |          | 02/24/2022 14:52        | <a href="#">WG1820944</a> |
| (S) Tetrachloro-m-xylene | 71.1           |           |             | 10.0-127    |          | 02/24/2022 14:52        | <a href="#">WG1820944</a> |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Pesticides (GC) by Method 8081

| Analyte                  | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|--------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Gamma BHC                | U              |           | 0.0209      | 0.0500      | 1        | 02/24/2022 15:01        | <a href="#">WG1820944</a> |
| (S) Decachlorobiphenyl   | 81.3           |           |             | 10.0-128    |          | 02/24/2022 15:01        | <a href="#">WG1820944</a> |
| (S) Tetrachloro-m-xylene | 76.7           |           |             | 10.0-127    |          | 02/24/2022 15:01        | <a href="#">WG1820944</a> |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Pesticides (GC) by Method 8081

| Analyte                  | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|--------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Gamma BHC                | U              |           | 0.0209      | 0.0500      | 1        | 02/24/2022 15:10        | <a href="#">WG1820944</a> |
| (S) Decachlorobiphenyl   | 31.3           |           |             | 10.0-128    |          | 02/24/2022 15:10        | <a href="#">WG1820944</a> |
| (S) Tetrachloro-m-xylene | 76.6           |           |             | 10.0-127    |          | 02/24/2022 15:10        | <a href="#">WG1820944</a> |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Pesticides (GC) by Method 8081

| Analyte                  | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|--------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Gamma BHC                | U              |           | 0.0209      | 0.0500      | 1        | 02/24/2022 15:19        | <a href="#">WG1820944</a> |
| (S) Decachlorobiphenyl   | 73.4           |           |             | 10.0-128    |          | 02/24/2022 15:19        | <a href="#">WG1820944</a> |
| (S) Tetrachloro-m-xylene | 70.5           |           |             | 10.0-127    |          | 02/24/2022 15:19        | <a href="#">WG1820944</a> |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3762728-1 02/22/22 14:12

| Analyte                  | MB Result<br>ug/l | MB Qualifier | MB MDL<br>ug/l | MB RDL<br>ug/l |
|--------------------------|-------------------|--------------|----------------|----------------|
| Gamma BHC                | U                 |              | 0.0209         | 0.0500         |
| (S) Decachlorobiphenyl   | 80.0              |              |                | 10.0-128       |
| (S) Tetrachloro-m-xylene | 107               |              |                | 10.0-127       |

Laboratory Control Sample (LCS)

(LCS) R3762728-2 02/22/22 14:22

| Analyte                  | Spike Amount<br>ug/l | LCS Result<br>ug/l | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|--------------------------|----------------------|--------------------|---------------|------------------|---------------|
| Gamma BHC                | 1.00                 | 1.27               | 127           | 55.0-129         |               |
| (S) Decachlorobiphenyl   |                      |                    | 38.3          | 10.0-128         |               |
| (S) Tetrachloro-m-xylene |                      |                    | 108           | 10.0-127         |               |

L1462827-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1462827-13 02/22/22 17:23 • (MS) R3762728-3 02/22/22 17:33 • (MSD) R3762728-4 02/22/22 17:43

| Analyte                  | Spike Amount<br>ug/l | Original Result<br>ug/l | MS Result<br>ug/l | MSD Result<br>ug/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|--------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Gamma BHC                | 1.00                 | U                       | 1.21              | 1.21               | 121          | 121           | 1        | 14.0-141         |              |               | 0.000    | 40              |
| (S) Decachlorobiphenyl   |                      |                         |                   |                    | 27.0         | 39.9          |          | 10.0-128         |              |               |          |                 |
| (S) Tetrachloro-m-xylene |                      |                         |                   |                    | 101          | 102           |          | 10.0-127         |              |               |          |                 |

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Method Blank (MB)

(MB) R3764009-1 02/24/22 12:39

| Analyte                  | MB Result<br>ug/l | MB Qualifier | MB MDL<br>ug/l | MB RDL<br>ug/l |
|--------------------------|-------------------|--------------|----------------|----------------|
| Gamma BHC                | U                 |              | 0.0209         | 0.0500         |
| (S) Decachlorobiphenyl   | 196               | J1           |                | 10.0-128       |
| (S) Tetrachloro-m-xylene | 162               | J1           |                | 10.0-127       |

Laboratory Control Sample (LCS)

(LCS) R3764009-2 02/24/22 12:56

| Analyte                  | Spike Amount<br>ug/l | LCS Result<br>ug/l | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|--------------------------|----------------------|--------------------|---------------|------------------|---------------|
| Gamma BHC                | 1.00                 | 1.11               | 111           | 55.0-129         |               |
| (S) Decachlorobiphenyl   |                      |                    | 82.9          | 10.0-128         |               |
| (S) Tetrachloro-m-xylene |                      |                    | 89.0          | 10.0-127         |               |

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

|    |                                                                                        |
|----|----------------------------------------------------------------------------------------|
| J1 | Surrogate recovery limits have been exceeded; values are outside upper control limits. |
|----|----------------------------------------------------------------------------------------|

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

# ACCREDITATIONS & LOCATIONS

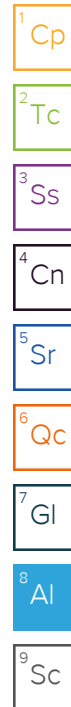
## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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



[illegible]

02/17-NCF-L1462851-GENENLAR PM

R5

Time estimate: oh

Time spent: oh

## Members



Paul Minnich (responsible)



MB Mark Beasley

Due on 21 February 2022 17:00 for target Done

- ☐ Login Clarification needed
- ☒ Chain of custody is incomplete
- ☐ Please specify Metals requested
- ☐ Please specify TCLP requested
- ☐ Received additional samples not listed on COC
- ☐ Sample IDs on containers do not match IDs on COC
- ☒ Client did not "X" analysis
- ☐ Chain of Custody is missing
- ☐ If no COC: Received by: \_\_\_\_\_
- ☐ If no COC: Date/Time: \_\_\_\_\_
- ☐ If no COC: Temp./Cont.Rec./pH: \_\_\_\_\_
- ☐ If no COC: Carrier: \_\_\_\_\_
- ☐ If no COC: Tracking #: \_\_\_\_\_
- ☐ Client informed by call
- ☐ Client informed by Email
- ☐ Client informed by Voicemail
- ☐ Date/Time: 2/18/22 \_\_\_\_\_
- ☐ PM initials: MB \_\_\_\_\_
- ☐ Client Contact: \_\_\_\_\_

## Comments

Paul Minnich

17 February 2022 22:29

No tests marked. Logged for 8081

Mark Beasley

18 February 2022 08:56

Log per P#