

2023 Groundwater Monitoring Report

Property:

Lateral 2C-15 Pigging Receiver Sump (8/15/19) Unit Letter K, Sec 27 T24N R5W Rio Arriba County, New Mexico

New Mexico EMNRD OCD Incident ID No. NCS1923947897

January 11, 2024

Ensolum Project No. 05A1226105

Prepared for:

Enterprise Field Services, LLC 614 Reilly Avenue Farmington, NM 87401 Attn: Mr. Thomas Long

Prepared by:

Ranee Deechilly Project Manager

umm

Kyle Summers Senior Managing Geologist

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants

606 South Rio Grande, Suite A | Aztec, NM 87410 | ensolum.com

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## 1.0 INTRODUCTION

This report describes the 2023 groundwater monitoring activities conducted at the Lateral 2C-15 Pigging Receiver Sump (8/15/19) site, referred to hereinafter as the "Site".

| Operator:  | Enterprise Field Services, LLC / Enterprise Products Operating LLC (Enterprise)   |
|--|---|
| Site Name: Lateral 2C-15 Pigging Receiver Sump (8/15/19) |   |
| NM EMNRD OCD<br>Incident ID No.                          | NCS1923947897   |
| Location:  | 36.282835° North, 107.351995° West<br>Unit Letter K, Section 27, Township 24 North, Range 5 West<br>Rio Arriba County, New Mexico |
| Property:  | Jicarilla Apache Nation   |
| Regulatory:  | Jicarilla Apache Nation Environmental Protection Office (JAN-EPO)   |

### 1.1 Site Description & Background

On August 15, 2019, natural gas condensate was released from the Enterprise Lateral 2C-15 pigging receiver sump. Excavation activities were performed at the Site during August and September 2019. Following the completion of excavation activities and off-site disposal of the removed hydrocarbon affected soils, confirmation soil samples and two groundwater samples were collected from the open excavation by Rule Engineering, LLC (Rule). In addition, four soil samples were collected from shallow potholes advanced near the adjacent ephemeral wash. Soil analytical results indicated combined total petroleum hydrocarbon (TPH) concentrations exceeding the New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD) closure criteria on the northeast sidewall and the floor of the excavation. Groundwater analytical results indicated benzene and total xylenes concentrations exceeding the New Mexico Water Quality Control Commission (WQCC) Groundwater Quality Standards (GQSs). The excavation was backfilled with unaffected soils (*Lateral 2C-15 Pigging Receiver Sump Corrective Action Report*, Rule, August 8, 2020).

During December 2019, five soil borings (SB-1 through SB-5) were advanced on-Site by Rule. Subsequent to advancement, the soil borings were completed as two-inch diameter groundwater monitoring wells (MW-1 through MW-5). Analytical results indicated combined TPH concentrations above the New Mexico EMNRD OCD closure criteria for soil (SB-1 (10'-11' and 22.5'-23.5') and SB-3 (25'-26')). Additionally, analytical results indicated benzene, toluene, and total xylenes concentrations above the New Mexico WQCC GQSs in groundwater (monitoring wells MW-1, MW-3, and MW-5) (*Lateral 2C-15 Pigging Receiver Sump Corrective Action Report*, Rule, August 8, 2020).

During February 2020, Rule completed four additional soil borings/monitoring wells (SB-6/MW-6, SB-7/MW-7, SB-8/MW-8, and SB-9/MW-9) to further delineate and evaluate the extent of dissolved-phase hydrocarbon (DPH) in the groundwater and constituents of concern (COCs) in soil. Analytical results indicated combined TPH concentrations above the New Mexico EMNRD OCD closure criteria for soil (SB-7 (20.5'-21')) and benzene and total xylenes concentrations above the New Mexico WQCC GQSs in groundwater (MW-7 and MW-9) (*Lateral 2C-15 Pigging Receiver Sump Corrective Action Report*, Rule, August 8, 2020).

Enterprise transferred environmental consulting oversight to Ensolum, LLC (Ensolum) during May 2020.

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2023 Groundwater Monitoring Report Enterprise Field Services, LLC Lateral 2C-15 Pigging Receiver Sump (8/15/19)

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Ensolum implemented quarterly groundwater monitoring in 2021. Groundwater analytical results for monitoring wells MW-3, MW-5, and MW-9 indicated benzene, toluene, and total xylenes concentrations exceeding the New Mexico Water WQCC GQSs (*2021 Groundwater Monitoring Report, Ensolum, December 17, 2021*).

During August and September 2022, Ensolum completed additional investigation activities at the Site to further delineate and evaluate the extent of DPH in the groundwater and COCs in soil. Seven additional soil borings (SB-10 through SB-16) were advanced and five of the borings were completed as monitoring wells MW-10 through MW-14. Analytical results indicated combined COC concentrations above the New Mexico EMNRD OCD closure criteria for soil (SB-13 (25'-27') and SB-15 (25'-27')). Groundwater analytical results for monitoring wells MW-3, MW-5, MW-9, and MW-13 indicated COC concentrations above the New Mexico EMNRD occ GQSs (2022 Supplemental Delineation and Groundwater Monitoring Report, Ensolum, March 20, 2023).

The Site is under the jurisdiction of the Jicarilla Apache Nation and is subject to regulatory oversight by the JAN-EPO. Ensolum deferred to the 19.15.29 New Mexico Administrative Code (NMAC) and 19.15.30 NMAC, for guidance, which establishes investigation and abatement action requirements for oil and gas release sites that are subject to reporting and/or corrective action. Additionally, Ensolum utilized the New Mexico WQCC GQSs (20.6.2 NMAC *Ground and Surface Water Protection*) to evaluate groundwater conditions.

The Site location is depicted on **Figure 1** of **Appendix A** which was reproduced from a portion of a United States Geological Survey (USGS) 7.5-minute series topographic map. A **Site Vicinity Map**, created from an aerial photograph, is provided as **Figure 2**, and a **Site Map**, which indicates the approximate locations of the monitoring wells, the extent of the former excavation, excavation sample locations, and previous wash sample locations in relation to pertinent structures and general Site boundaries, is included as **Figure 3** of **Appendix A**.

#### 1.2 **Project Objective**

The objective of the groundwater monitoring events was to further evaluate the concentrations of COCs in groundwater at the Site.

## 2.0 GROUNDWATER MONITORING

During 2023, groundwater monitoring events were conducted during January, April, July, and October/November. Ensolum's groundwater sampling program consisted of the collection of one groundwater sample from each monitoring well at the Site. Regulatory correspondence is provided in **Appendix B**.

Ensolum's groundwater sampling program consisted of the following:

- Ensolum gauged the depth to fluids in each monitoring well using an interface probe capable of detecting NAPL. During two of the 2023 (January and July) sampling events, monitoring well MW-1 exhibited a measurable thickness of NAPL and was not sampled.
- The monitoring wells were sampled utilizing micro-purge low-flow sampling techniques. Following the completion of the micro-purge process, one groundwater sample was collected from each monitoring well.
- Low-flow or low-stress sampling refers to sampling methods that are intended to minimize the stress that is imparted to the formation pore water in the vicinity of the well screen. Water level drawdown provides the best indication of the stress that is imparted by a given flow rate for a

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given hydrological situation. Pumping rates of 0.1 to 0.5 liters per minute (L/min) are typically maintained during the low-flow/low-stress sampling activities, using dedicated or decontaminated sampling equipment.

- During low-flow sampling, the groundwater samples are collected from each monitoring well
  once produced groundwater is consistent in color, clarity, pH, temperature, and conductivity.
  Measurements are typically observed every three to five minutes while purging. Purging is
  considered complete once key parameters (especially pH and conductivity) have stabilized
  for at least three consecutive readings.
- Groundwater samples were collected in laboratory-supplied containers (pre-preserved with mercuric chloride (HgCl<sub>2</sub>)), labeled, and sealed using the laboratory supplied labels and custody seals, and stored on ice in a cooler. The groundwater samples were relinquished to the courier for Eurofins Environment Testing South Central LLC (Eurofins) (formerly Hall Environmental Analysis Laboratory) of Albuquerque, New Mexico under proper chain-of-custody procedures.

### 2.1 Groundwater Laboratory Analytical Methods

The groundwater samples collected from the monitoring wells were analyzed for BTEX utilizing U.S. EPA Method SW-846 #8021 or #8260. The laboratory analytical results are summarized in **Table 1** in **Appendix C**. The executed chain-of-custody forms and laboratory data sheets are provided in **Appendix D**.

A summary of the analytes, sample type, number of samples, and the U.S. EPA-approved method is presented in the following table:

| Analyte | Sample Type | No. of Samples | Method             |
|---------|-------------|----------------|--------------------|
| BTEX    | Water       | 55             | SW-846 #8021/#8260 |

#### 2.2 Groundwater Flow Direction

The groundwater gradient at the Site is very flat and the apparent flow direction is varied, but generally trends toward the west. The observed gradient during the 2023 monitoring events ranged from approximately 0.0006 feet per foot (ft/ft) to 0.001 ft/ft across the Site. Groundwater elevation data collected during the 2023 gauging events are presented in **Table 2** (**Appendix C**). Groundwater gradient maps for the 2023 gauging events are included as **Figure 4A** through **4D** (**Appendix A**).

#### 2.3 Groundwater Data Evaluation

Ensolum compared the BTEX laboratory analytical results or laboratory PQLs / RLs associated with the groundwater samples collected from monitoring wells during the 2023 groundwater sampling events to the New Mexico WQCC GQSs. The results of the analyses are summarized in **Table 1** of **Appendix C**. Groundwater Quality Standard Exceedance Zone maps are provided as **Figures 5A** through **5D** of **Appendix A**.

#### January 2023

• Due to the presence of NAPL hydrocarbon in contact with groundwater of the initial groundwater-bearing unit at monitoring well MW-1 during the January event, that well was not sampled and is not part of the following discussion.



- The January 2023 analytical results for monitoring wells MW-3 and MW-9 indicate benzene concentrations of 48 micrograms per liter (μg/L) and 2,000 μg/L (MW-9), which exceed the WQCC GQS of 5 μg/L. The analytical results for monitoring well MW-5 indicates a benzene concentration of 1.7 μg/L, which is below the WQCC GQS of 5 μg/L. The analytical results for the remaining sampled monitoring wells do not indicate benzene concentrations above the laboratory PQLs/RLs, which are below the WQCC GQS of 5 μg/L.
- The January 2023 analytical result for monitoring well MW-9 indicates a toluene concentration of 1,800 µg/L, which exceeds the WQCC GQS of 1,000 µg/L. The analytical result for monitoring well MW-13 indicates a toluene concentration of 180 µg/L, which is below the WQCC GQS of 1,000 µg/L. The analytical results for the remaining sampled monitoring wells do not indicate toluene concentrations above the laboratory PQLs/RLs, which are below the WQCC GQS of 1,000 µg/L.
- The January 2023 analytical results for monitoring wells MW-3, MW-5, MW-9, and MW-13 indicate ethylbenzene concentrations ranging from 1.5 μg/L (MW-5) to 210 μg/L (MW-9), which are below the WQCC GQS of 700 μg/L. The analytical results for the remaining sampled monitoring wells do not indicate ethylbenzene concentrations above the laboratory PQLs/RLs, which are below the WQCC GQS of 700 μg/L.
- The January 2023 analytical results for monitoring wells MW-9 and MW-13 indicate total xylenes concentrations of 1,500 µg/L and 2,100 µg/L, respectively, which exceed the WQCC GQS of 620 µg/L. The analytical results for monitoring wells MW-2 and MW-5 indicate total xylenes concentrations of 2.7 µg/L and 4.4 µg/L, respectively, which are below the WQCC GQS of 620 µg/L. The analytical results for the remaining sampled monitoring wells do not indicate total xylenes concentrations above the laboratory PQLs/RLs, which are below the WQCC GQS of 620 µg/L.

| January 2023 Data Qualifier Flags |                                  |   |  |
|-----------------------------------|----------------------------------|---|--|
| Sample IDs                        | Data Qualifier Flags             | Comments/Reactions  |  |
| MW-11 (collected 1/26/2023)       | Sample Diluted Due to<br>Matrix. | The sample was diluted due to matrix<br>interference. The results are usable for the<br>intended purpose. |  |
| MW-13 (collected 1/26/2023)       | Sample Diluted Due to<br>Matrix. | The sample was diluted due to matrix<br>interference. The results are usable for the<br>intended purpose. |  |
| MW-14 (collected 1/26/2023)       | Sample Diluted Due to<br>Matrix. | The sample was diluted due to matrix interference. The results are usable for the intended purpose.       |  |

• The following data qualifiers were associated with the January 2023 data:

#### April 2023

- The April 2023 analytical results for monitoring wells MW-1, MW-3, MW-9, and MW-13 indicate benzene concentrations ranging from 5.6 μg/L (MW-13) to 1,400 μg/L (MW-9), which exceed the WQCC GQS of 5 μg/L. The analytical results for the remaining monitoring wells do not indicate benzene concentrations above the laboratory PQLs/RLs, which are below the WQCC GQS of 5 μg/L.
- The April 2023 analytical results for monitoring wells MW-1, MW-9, and MW-13 indicate

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toluene concentrations of 340  $\mu$ g/L, 610  $\mu$ g/L, and 89  $\mu$ g/L, respectively, which are below the WQCC GQS of 1,000  $\mu$ g/L. The analytical results for the remaining monitoring wells do not indicate toluene concentrations above the laboratory PQLs/RLs, which are below the WQCC GQS of 1,000  $\mu$ g/L.

- The April 2023 analytical results for monitoring wells MW-2, MW-3, MW-9, and MW-13 indicate ethylbenzene concentrations ranging from 1.1  $\mu$ g/L (MW-2) to 98  $\mu$ g/L (MW-13), which are below the WQCC GQS of 700  $\mu$ g/L. The analytical results for the remaining monitoring wells do not indicate ethylbenzene concentrations above the laboratory PQLs/RLs, which are below the WQCC GQS of 700  $\mu$ g/L.
- The April 2023 analytical result for monitoring well MW-13 indicates a total xylenes concentration of 950 µg/L, which exceeds the WQCC GQS of 620 µg/L. The analytical results for monitoring wells MW-2 and MW-9 indicate total xylenes concentrations of 2.8 µg/L and 540 µg/L, respectively, which are below the WQCC GQS of 620 µg/L. The analytical results for the remaining monitoring wells do not indicate total xylenes concentrations above the laboratory PQLs/RLs, which are below the WQCC GQS of 620 µg/L.

| • | The following data | a qualifier was | associated wit | h the April 2023 data: |  |
|---|--------------------|-----------------|----------------|------------------------|--|
|   |                    |                 |                |                        |  |

| April 2023 Data Qualifier Flag    |  |   |  |
|-----------------------------------|--|---|--|
| Sample IDs                        | Data Qualifier Flags   | Comments/Reactions  |  |
| MW-13<br>(collected<br>4/20/2023) | SW-846 Method 8021<br>BTEX Surrogate<br>Recovery was outside<br>the accepted recovery<br>limits. | The BTEX data is suitable for use as an<br>estimated value. The BTEX Surrogate<br>recovery was outside the acceptable<br>recovery range due to matrix interference. |  |

## <u>July 2023</u>

- Due to the presence of NAPL hydrocarbon in contact with groundwater of the initial groundwater-bearing unit at monitoring well MW-1 during the July event, that well was not sampled and is not part of the following discussion.
- The July 2023 analytical results for monitoring wells MW-3, MW-5, and MW-9 indicate benzene concentrations ranging from 5.1 μg/L (MW-5) to 2,100 μg/L (MW-9), which exceed the WQCC GQS of 5 μg/L. The analytical result for monitoring well MW-2 indicates a benzene concentration of 1.0 μg/L, which is below the WQCC GQS of 5 μg/L. The analytical results for the remaining sampled monitoring wells do not indicate benzene concentrations above the laboratory PQLs/RLs, which are below the WQCC GQS of 5 μg/L.
- The July 2023 analytical results for monitoring wells MW-9 and MW-13 indicate toluene concentration of 840 μg/L and 8.8 μg/L, respectively, which are below the WQCC GQS of 1,000 μg/L. The analytical results for the remaining sampled monitoring wells do not indicate toluene concentrations above the laboratory PQLs/RLs, which are below the WQCC GQS of 1,000 μg/L.
- The July 2023 analytical results for monitoring wells MW-3, MW-5, MW-9, and MW-13 indicate ethylbenzene concentrations ranging from 7.3 μg/L (MW-3) to 200 μg/L (MW-9), which are below the WQCC GQS of 700 μg/L. The analytical results for the remaining sampled monitoring wells do not indicate ethylbenzene concentrations above the laboratory PQLs/RLs, which are below the WQCC GQS of 700 μg/L.

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- The July 2023 analytical result for monitoring well MW-9 indicates a total xylenes concentration of 1,300 µg/L, which exceeds the WQCC GQS of 620 µg/L. The analytical results for monitoring wells MW-5 and MW-13 indicate total xylenes concentrations of 18 µg/L and 410 µg/L, which are below the WQCC GQS of 620 µg/L. The analytical results for the remaining sampled monitoring wells do not indicate total xylenes concentrations above the laboratory PQLs/RLs, which are below the WQCC GQS of 620 µg/L.
- No data qualifier flags are associated with the July 2023 analytical results.

#### October/November 2023

- The October/November 2023 analytical results for monitoring wells MW-1, MW-3, and MW-9 indicate benzene concentrations ranging from 26 μg/L (MW-3) to 2,000 μg/L (MW-9), which exceed the WQCC GQS of 5 μg/L. The analytical result for monitoring well MW-5 indicates a benzene concentration of 4.9 μg/L, which is below the WQCC GQS of 5 μg/L. The analytical results for the remaining monitoring wells do not indicate benzene concentrations above the laboratory PQLs/RLs, which are below the WQCC GQS of 5 μg/L.
- The October/November 2023 analytical result for monitoring well MW-1 indicates a toluene concentration of 2,000 μg/L, which exceeds the WQCC GQS of 1,000 μg/L. The analytical results for monitoring wells MW-9 and MW-13 indicate toluene concentrations of 620 μg/L and 5.7 μg/L, respectively, which are below the WQCC GQS of 1,000 μg/L. The analytical results for the remaining monitoring wells do not indicate toluene concentrations above the laboratory PQLs/RLs, which are below the WQCC GQS of 1,000 μg/L.
- The October/November 2023 analytical results for monitoring wells MW-1, MW-3, MW-5, MW-9, and MW-13 indicate ethylbenzene concentrations ranging from 3.0 μg/L (MW-5) to 140 μg/L (MW-9), which are below the WQCC GQS of 700 μg/L. The analytical results for the remaining monitoring wells do not indicate ethylbenzene concentrations above the laboratory PQLs/RLs, which are below the WQCC GQS of 700 μg/L.
- The October/November 2023 analytical results for monitoring wells MW-1 and MW-9 indicate total xylenes concentrations of 3,400 µg/L and 1,000 µg/L, respectively, which exceed the WQCC GQS of 620 µg/L. The analytical result for monitoring wells MW-2, MW-3, MW-5, and MW-13 indicates total xylenes concentrations ranging from 2.6 µg/L (MW-2) to 180 µg/L (MW-13), which are below the WQCC GQS of 620 µg/L. The analytical results for the remaining monitoring wells do not indicate total xylenes concentrations above the laboratory PQLs/RLs, which are below the WQCC GQS of 620 µg/L.
- No data qualifier flags are associated with the October/November 2023 analytical results.

#### 3.0 FINDINGS

Based on the evaluation of the analytical results from the groundwater sampling activities, Ensolum presents the following findings:

- During two of the four 2023 groundwater monitoring events (January and July), monitoring well MW-1 exhibited measurable NAPL in contact with the groundwater and was not sampled.
- The groundwater flow direction at the Site is generally towards the west, with a subtle approximate gradient ranging from 0.0006 ft/ft to 0.001 ft/ft across the Site.



- The analytical results for the groundwater samples collected from monitoring wells MW-1 (April and October/November), MW-3, MW-5 (July), MW-9, and MW-13 (April) during the monitoring events indicate that benzene concentrations are above the New Mexico WQCC GQSs. The analytical results for the groundwater samples collected from monitoring well MW-1 (October/November) and MW-9 (January) during the monitoring events indicate that toluene concentrations are above the New Mexico WQCC GQSs. The analytical results for the groundwater samples collected from monitoring events indicate that toluene concentrations are above the New Mexico WQCC GQSs. The analytical results for the groundwater samples collected from monitoring wells MW-9 (January, July, and October/November) and MW-13 (January and April) during the monitoring events indicate total xylenes concentrations above the New Mexico WQCC GQS. The analytical results for the groundwater samples collected from the remaining monitoring wells during the four 2023 monitoring events do not indicate DPH or COC concentrations above the applicable WQCC GQSs.
- Dissolve-phase BTEX concentrations remain generally stable or declining.

#### 4.0 **RECOMMENDATIONS**

Based on the results of the delineation and groundwater monitoring activities, Ensolum has the following recommendations:

- Report the groundwater monitoring data to the JAN-EPO and New Mexico EMNRD OCD.
- Continue quarterly groundwater monitoring as requested by the JAN-EPO.
- Perform additional site assessment activities to the northeast of monitoring well MW-13 and east of monitoring well MW-1 to fully define the groundwater plume and potentially further define the source area soil impacts where possible.
- Evaluate NAPL hydrocarbon removal options and soil remediation options.

#### 5.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

#### 5.1 Standard of Care

Ensolum's services were performed in accordance with standards customarily provided by a firm rendering the same or similar services in the area during the same time period. Ensolum makes no warranties, express or implied, as to the services performed hereunder. Additionally, Ensolum does not warrant the work of third parties supplying information used in the report (e.g., laboratories, regulatory agencies, or other third parties).

#### 5.2 Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-Site activities and other services performed under this scope of work, and it should be noted that this information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, or not present during these services, and Ensolum cannot represent that the Site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during the investigation. Environmental conditions at other areas or portions of the Site may vary from those encountered at actual sample locations. Ensolum's findings and recommendation are based solely upon data available to Ensolum at the time of these services.



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#### 5.3 Reliance

This report has been prepared for the exclusive use of Enterprise, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization of Enterprise and Ensolum. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions, and limitations stated in the Closure Report and Ensolum's Master Services Agreement. The limitation of liability defined in the agreement is the aggregate limit of Ensolum's liability to the client.





## **APPENDIX A**

# Figures

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## APPENDIX B

**Regulatory Correspondence** 

Released to Imaging: 4/2/2024 1:23:18 PM

| From:        | Kyle Summers  |
|--------------|---|
| То:          | Landon Daniell  |
| Cc:          | Ranee Deechilly   |
| Subject:     | FW: [EXTERNAL] Re: Lateral 2C-15 Pigging Sump Release Site - UL K Section 27 T 24N R 5W; 36.282835, -107.351995 |
| Date:        | Wednesday, October 25, 2023 10:55:23 AM   |
| Attachments: | image003.png  |
|              | image004.png  |
|              | image005.png  |



Kyle Summers Principal 903-821-5603 Ensolum, LLC

From: Long, Thomas <tjlong@eprod.com>

Sent: Wednesday, October 25, 2023 10:54 AM

To: Yahoo Warning <kcmanwell@yahoo.com>

**Cc:** Stone, Brian <bmstone@eprod.com>; 'Velez, Nelson, EMNRD' <Nelson.Velez@state.nm.us>; Kyle Summers <ksummers@ensolum.com>

Subject: FW: [EXTERNAL] Re: Lateral 2C-15 Pigging Sump Release Site - UL K Section 27 T 24N R 5W; 36.282835, -107.351995

#### [ \*\*EXTERNAL EMAIL\*\*]

Keith,

This email is a notification that Enterprise will be sampling the groundwater monitoring wells at the Lateral 2C-15 pigging receiver beginning on Tuesday, October 25, 2023. Groundwater monitoring/sampling activities are anticipated to take two days. If you have any questions, please call or email.

Thomas J. Long Senior Environmental Scientist Enterprise Products Company 614 Reilly Ave. Farmington, New Mexico 87401 505-599-2286 (office) 505-215-4727 (Cell) tjlong@eprod.com



From: Long, Thomas
Sent: Friday, July 7, 2023 7:19 AM
To: Yahoo Warning <<u>kcmanwell@yahoo.com</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>; Velez, Nelson, EMNRD <<u>Nelson.Velez@state.nm.us</u>>
Subject: FW: [EXTERNAL] Re: Lateral 2C-15 Pigging Sump Release Site - UL K Section 27 T 24N R 5W; 36.282835, -107.351995

Keith,

This email is a notification that Enterprise will be sampling the groundwater monitoring wells at the Lateral 2C-15 pigging receiver beginning this Tuesday, July 11, 2023. Groundwater monitoring/sampling activities are anticipated to take two days. If you have any questions, please call or email.

Thomas J. Long Senior Environmental Scientist Enterprise Products Company 614 Reilly Ave. Farmington, New Mexico 87401 505-599-2286 (office) 505-215-4727 (Cell) tjlong@eprod.com



From: Long, Thomas
Sent: Monday, April 17, 2023 11:56 AM
To: 'Yahoo Warning' <<u>kcmanwell@yahoo.com</u>>
Cc: 'Kyle Summers' <<u>ksummers@ensolum.com</u>>; Stone, Brian <<u>bmstone@eprod.com</u>>; 'Velez, Nelson, EMNRD' <<u>Nelson.Velez@state.nm.us</u>>
Subject: RE: [EXTERNAL] Re: Lateral 2C-15 Pigging Sump Release Site - UL K Section 27 T 24N R 5W; 36.282835, -107.351995

Keith,

This email is a notification that Enterprise will be sampling the groundwater monitoring wells at the Lateral 2C-15 pigging receiver beginning this Wednesday, April 20, 2023. Groundwater monitoring/sampling activities are anticipated to take two days. If you have any questions, please call or email.

Thomas J. Long Senior Environmental Scientist Enterprise Products Company 614 Reilly Ave. Farmington, New Mexico 87401 505-599-2286 (office) 505-215-4727 (Cell) tjlong@eprod.com



From: Yahoo Warning <<u>kcmanwell@yahoo.com</u>>
Sent: Monday, January 23, 2023 9:04 AM
To: Long, Thomas <<u>tilong@eprod.com</u>>
Subject: Re: [EXTERNAL] Re: Lateral 2C-15 Pigging Sump Release Site - UL K Section 27 T 24N R 5W; 36.282835, -107.351995

[Use caution with links/attachments]

Thank You Thomas,

For the information, I will not be available on Wednesday but will be there Thursday.

Thank You, K.C. Manwell

On Monday, January 23, 2023, 08:50:16 AM MST, Long, Thomas <<u>tilong@eprod.com</u>> wrote:

Keith,

This email is a notification that Enterprise will be sampling the groundwater monitoring wells at the Lateral 2C-15 pigging receiver beginning this Wednesday, January 25, 2023. Groundwater monitoring/sampling activities are anticipated to take two days. If you have any questions, please call or email.

Thomas J. Long Senior Environmental Scientist Enterprise Products Company 614 Reilly Ave. Farmington, New Mexico 87401 505-599-2286 (office) 505-215-4727 (Cell) tjlong@eprod.com



From: Yahoo Warning <<u>kcmanwell@yahoo.com</u>>
Sent: Tuesday, October 18, 2022 12:12 PM
To: Long, Thomas <<u>tilong@eprod.com</u>>
Subject: Re: [EXTERNAL] Re: Lateral 2C-15 Pigging Sump Release Site - UL K Section 27 T 24N R 5W;
36.282835, -107.351995

[Use caution with links/attachments]

Tom,

KC Manwell has planned on participation at proposed sampling event, thank you for the info.

Thnx KC Manwell

On Tuesday, October 18, 2022, 07:09:06 AM MDT, Long, Thomas <<u>tilong@eprod.com</u>> wrote:

Keith,

This email is a notification that Enterprise will be performing groundwater monitoring/sampling activities at the Lateral 2C-15

Pigging Sump Release Site on Thursday October 20, 2022. Groundwater monitoring/sampling activities are anticipated to take two days. If you have any questions, please call or email.

Thomas J. Long Senior Environmental Scientist Enterprise Products Company 614 Reilly Ave.

Farmington, New Mexico 87401

505-599-2286 (office)

505-215-4727 (Cell)

tjlong@eprod.com



From: Long, Thomas
Sent: Thursday, August 25, 2022 7:37 AM
To: 'Yahoo Warning' <<u>kcmanwell@yahoo.com</u>>
Cc: 'Velez, Nelson, EMNRD' <<u>Nelson.Velez@state.nm.us</u>>; Stone, Brian <<u>bmstone@eprod.com</u>>; 'Kyle Summers' <<u>ksummers@ensolum.com</u>>
Subject: FW: [EXTERNAL] Re: Lateral 2C-15 Pigging Sump Release Site - UL K Section 27 T 24N R 5W; 36.282835, -107.351995

Keith,

This email is a notification that Enterprise will be installing soil borings and groundwater monitoring wells at the Lateral 2C-15 Pigging Receiver site beginning Monday, August 29, 2022. We will be hydroexcavating each soil boring and monitoring well location today to a depth of eight feet bgs to identify any underground utilities. We will potentially collect a soil samples from approximately five feet bgs during hydro-excavating activities today if you permit. If not, we will wait until Monday. If you have any questions, please call or email.

Thomas J. Long Senior Environmental Scientist Enterprise Products Company 614 Reilly Ave. Farmington, New Mexico 87401 505-599-2286 (office)

505-215-4727 (Cell)

tjlong@eprod.com



From: Long, Thomas
Sent: Monday, August 15, 2022 9:41 AM
To: 'Yahoo Warning' <<u>kcmanwell@yahoo.com</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>; Velez, Nelson, EMNRD <<u>Nelson.Velez@state.nm.us</u>>
Subject: FW: [EXTERNAL] Re: Lateral 2C-15 Pigging Sump Release Site - UL K Section 27 T 24N R
5W; 36.282835, -107.351995

Keith,

Please find the attached draft tables, figures and lab reports for the Lateral 2C-15 Pigging Receiver Sump groundwater sampling. Enterprise will be compiling all the data for a complete report that will be finalized in the near future. Also, we are on schedule to install more soil borings and monitoring wells for the week for August 29, 2022. If you have any questions, please call or email.

Thomas J. Long Senior Environmental Scientist Enterprise Products Company 614 Reilly Ave. Farmington, New Mexico 87401 505-599-2286 (office) 505-215-4727 (Cell) tjlong@eprod.com



From: Long, Thomas
Sent: Tuesday, July 19, 2022 7:13 AM
To: 'Yahoo Warning' <<u>kcmanwell@yahoo.com</u>>; 'Velez, Nelson, EMNRD' <<u>Nelson.Velez@state.nm.us</u>>
Cc: Kyle Summers <<u>ksummers@ensolum.com</u>>; Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: FW: [EXTERNAL] Re: Lateral 2C-15 Pigging Sump Release Site - UL K Section 27 T 24N R 5W; 36.282835, -107.351995

Keith,

This email is a notification that Enterprise will be performing groundwater monitoring/sampling activities at the Lateral 2C-15

Pigging Sump Release Site on Thursday July, 21, 2022. Groundwater monitoring/sampling activities are anticipated to take one day. If you have any questions, please call or email.

Thomas J. Long

Senior Environmental Scientist

**Enterprise Products Company** 

614 Reilly Ave.

Farmington, New Mexico 87401

505-599-2286 (office)

505-215-4727 (Cell)

tjlong@eprod.com



From: Long, Thomas
Sent: Monday, January 24, 2022 7:57 AM
To: 'Yahoo Warning' <<u>kcmanwell@yahoo.com</u>>
Cc: 'Velez, Nelson, EMNRD' <<u>Nelson.Velez@state.nm.us</u>>; Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: FW: [EXTERNAL] Re: Lateral 2C-15 Pigging Sump Release Site - UL K Section 27 T 24N R

5W; 36.282835, -107.351995

Keith,

This email is a notification that Enterprise will be conduct quarterly groundwater sampling at the Lateral 2C-15 Pigging Sump Release Site tomorrow. Sampling activities are anticipated to take one day. If you have any questions, please call or email.

Thomas J. Long Senior Environmental Scientist Enterprise Products Company 614 Reilly Ave. Farmington, New Mexico 87401 505-599-2286 (office) 505-215-4727 (Cell) tjlong@eprod.com



From: Yahoo Warning <<u>kcmanwell@yahoo.com</u>>
Sent: Tuesday, October 26, 2021 9:28 AM
To: Long, Thomas <<u>tilong@eprod.com</u>>
Subject: Re: [EXTERNAL] Re: Lateral 2C-15 Pigging Sump Release Site - UL K Section 27 T 24N R 5W;
36.282835, -107.351995

[Use caution with links/attachments]

Thomas Long,

Enterprise should continue with proposed sampling event.

## K.C. Manwell

On Tuesday, October 26, 2021, 07:14:11 AM MDT, Long, Thomas <<u>tilong@eprod.com</u>> wrote:

Keith,

May we proceed with the sampling event or should we reschedule?

Thomas J. Long Senior Environmental Scientist Enterprise Products Company 614 Reilly Ave. Farmington, New Mexico 87401 505-599-2286 (office) 505-215-4727 (Cell) tilong@eprod.com



From: Yahoo Warning <<u>kcmanwell@yahoo.com</u>>
Sent: Monday, October 25, 2021 4:06 PM
To: Long, Thomas <<u>tilong@eprod.com</u>>
Subject: Re: [EXTERNAL] Re: Lateral 2C-15 Pigging Sump Release Site - UL K Section 27 T 24N R 5W;
36.282835, -107.351995

[Use caution with links/attachments]

Thomas Long,

I have prior commitments on proposed groundwater sampling dates.

K.C. Manwell

On Monday, October 25, 2021, 01:17:51 PM MDT, Long, Thomas <<u>tilong@eprod.com</u>> wrote:

Keith,

This email is a notification that Enterprise will be conducting groundwater monitoring activities at the Lateral 2C-15 pigging receiver on Thursday, October 28, 2021. If you have any questions, please call or email.

Thomas J. Long Senior Environmental Scientist Enterprise Products Company 614 Reilly Ave. Farmington, New Mexico 87401 505-599-2286 (office) 505-215-4727 (Cell) tjlong@eprod.com



From: Long, Thomas

Sent: Wednesday, July 7, 2021 1:46 PM
To: Yahoo Warning <<u>kcmanwell@yahoo.com</u>>
Cc: 'Smith, Cory, EMNRD (<u>Cory.Smith@state.nm.us</u>)' <<u>Cory.Smith@state.nm.us</u>>; Stone, Brian<<<u>bmstone@eprod.com</u>>
Subject: FW: [EXTERNAL] Re: Lateral 2C-15 Pigging Sump Release Site - UL K B Section 27 T 24N R 5W; 36.282835, -107.351995

Keith,

This email is to notify you that Enterprise will be groundwater monitoring and sampling at the Lateral 2C-15 Pigging Sump Release site beginning July 9, 2021 at approximately 9:00 a.m. It is anticipated to take one day to complete the sampling activities. If you have any questions, please call or email.

Thomas J. Long

Senior Environmental Scientist

Enterprise Products Company

614 Reilly Ave.

Farmington, New Mexico 87401

505-599-2286 (office)

505-215-4727 (Cell)

tjlong@eprod.com



From: Long, Thomas Sent: Monday, June 21, 2021 2:19 PM To: 'Yahoo Warning' <<u>kcmanwell@yahoo.com</u>> Cc: Stone, Brian <<u>bmstone@eprod.com</u>> Subject: FW: [EXTERNAL] Re: Lateral 2C-15 Pigging Sump Release Site - UL K B Section 27 T 24N R 5W; 36.282835, -107.351995

Keith,

Please find the attached draft tables, figures and lab reports for the Lateral 2C-15 Pigging Receiver Sump groundwater sampling. Entperise will be compiling all the data for a complete report that will be finalized in the near future. If you have any questions, please call or email.

Thomas J. Long

Senior Environmental Scientist

**Enterprise Products Company** 

614 Reilly Ave.

Farmington, New Mexico 87401

505-599-2286 (office)

505-215-4727 (Cell)

tjlong@eprod.com



From: Long, Thomas
Sent: Monday, April 19, 2021 9:45 AM
To: 'Yahoo Warning' <<u>kcmanwell@yahoo.com</u>>
Cc: 'Smith, Cory, EMNRD (<u>Cory.Smith@state.nm.us</u>)' <<u>Cory.Smith@state.nm.us</u>>; Stone, Brian<<<u>bmstone@eprod.com</u>>
Subject: FW: [EXTERNAL] Re: Lateral 2C-15 Pigging Sump Release Site - UL K B Section 27 T 24N R
5W; 36.282835, -107.351995

Keith,

This email is to notify you that Enterprise will be groundwater monitoring and sampling at the Lateral 2C-15 Pigging Sump Release site beginning April 21, 2021 at approximately 9:00 a.m. It is anticipated to take one day to complete the sampling activities. If you have any questions, please call or email.

Thomas J. Long

Senior Environmental Scientist Enterprise Products Company 614 Reilly Ave. Farmington, New Mexico 87401 505-599-2286 (office) 505-215-4727 (Cell) tilong@eprod.com

The Enterprise Products

From: Long, Thomas
Sent: Tuesday, February 2, 2021 7:23 AM
To: 'Yahoo Warning' <<u>kcmanwell@yahoo.com</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: FW: [EXTERNAL] Re: Lateral 2C-15 Pigging Sump Release Site - UL K B Section 27 T 24N R 5W; 36.282835, -107.351995

Keith,

Please find the attached draft table and figures for the Lateral 2C-15 Pigging Receiver Sump groundwater sampling. Entperise will be compiling all this data for a complete report that will be finalized in the near future. If you have any questions, please call or email.

Thomas J. Long

Senior Environmental Scientist

Enterprise Products Company

614 Reilly Ave.

Farmington, New Mexico 87401

505-599-2286 (office)

505-215-4727 (Cell)

tjlong@eprod.com


From: Long, Thomas Sent: Monday, January 11, 2021 8:50 AM To: 'Yahoo Warning' <<u>kcmanwell@yahoo.com</u>> Cc: Stone, Brian <<u>bmstone@eprod.com</u>>; 'Smith, Cory, EMNRD (<u>Cory.Smith@state.nm.us</u>)' <<u>Cory.Smith@state.nm.us</u>> Subject: FW: [EXTERNAL] Re: Lateral 2C-15 Pigging Sump Release Site - UL K B Section 27 T 24N R 5W; 36.282835, -107.351995

Keith,

This email is to notify you that Enterprise will be groundwater monitoring and sampling at the Lateral 2C-15 Pigging Sump Release site beginning tomorrow January 12, 2021 at approximately 9:00 a.m. It is anticipated to take one day to complete the sampling activities. If you have any questions, please call or email.

Thomas J. Long

Senior Environmental Scientist

Enterprise Products Company

614 Reilly Ave.

Farmington, New Mexico 87401

505-599-2286 (office)

505-215-4727 (Cell)

tjlong@eprod.com



From: Long, Thomas
Sent: Tuesday, October 13, 2020 7:20 AM
To: 'Yahoo Warning' <<u>kcmanwell@yahoo.com</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: RE: [EXTERNAL] Re: Lateral 2C-15 Pigging Sump Release Site - UL K B Section 27 T 24N R
5W; 36.282835, -107.351995

Keith,

I believe they will be onsite about 9:00 a.m. for sampling.

Thomas J. Long

Senior Environmental Scientist

Enterprise Products Company

614 Reilly Ave.

Farmington, New Mexico 87401

505-599-2286 (office)

505-215-4727 (Cell)

tjlong@eprod.com



From: Yahoo Warning <<u>kcmanwell@yahoo.com</u>>
Sent: Monday, October 12, 2020 11:20 PM
To: Long, Thomas <<u>tilong@eprod.com</u>>
Subject: [EXTERNAL] Re: Lateral 2C-15 Pigging Sump Release Site - UL K B Section 27 T 24N R 5W;
36.282835, -107.351995

[Use caution with links/attachments]

Thank You for the quick response per our conversation on October 12, 2020 Aztec location, I plan to be available for proposed sampling on October 15, 2020. Is there an approximate time The personnel plan to be at the sampling site?

Thank You,

K.C. Manwell, Environmental Specialist

Jicarilla Apache Nation Environmental Protection Office

505-330-8031

On Monday, October 12, 2020, 02:21:13 PM MDT, Long, Thomas <<u>tilong@eprod.com</u>> wrote:

Keith,

This email is to notify you that Entperise will be re-developing the groundwater monitoring wells at the Lateral 2C-15 Pigging Sump Release Site on Wednesday, October 14, 2020 and the re-sampling the wells on October 15, 2020. If you have any questions, please all or email.

Thomas J. Long Senior Environmental Scientist Enterprise Products Company 614 Reilly Ave. Farmington, New Mexico 87401 505-599-2286 (office) 505-215-4727 (Cell) tjlong@eprod.com



From: Long, Thomas
Sent: Thursday, May 28, 2020 8:39 AM
To: 'Smith, Cory, EMNRD (<u>Cory.Smith@state.nm.us</u>)' <<u>Cory.Smith@state.nm.us</u>>
Subject: FW: Lateral 2C-15 Pigging Sump Release Site

Cory,

Just an FYI, we are sampling this again today. Jicarilla will be onsite.

Thomas J. Long

Senior Environmental Scientist

**Enterprise Products Company** 

614 Reilly Ave.

Farmington, New Mexico 87401

505-599-2286 (office)

505-215-4727 (Cell)

tjlong@eprod.com



From: Long, Thomas
Sent: Wednesday, May 27, 2020 12:51 PM
To: 'Yahoo Warning' <<u>kcmanwell@yahoo.com</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>; Timmerman, Chad <<u>CTimmerman@eprod.com</u>>; Dixon,
Dwayne (<u>dwdixon@eprod.com</u>) <<u>dwdixon@eprod.com</u>>
Subject: Lateral 2C-15 Pigging Sump Release Site

Keith,

As per conversations with Area 300 Superintendent, Chad Timmerman, please find the attached

preliminary information for the Lateral 2C-15 pigging sump release site. Rule Engineering is still compiling the complete corrective action report and will finalize it in the near future. They will have the site maps formally drafted by tomorrow. I will send you those maps once I receive them. Enterprise has a contractor that will be resampling all the wells tomorrow May 28, 2020 and will continue sampling on a quarterly basis. If you have any questions, please call or email.

Thomas J. Long

Senior Environmental Scientist

**Enterprise Products Company** 

614 Reilly Ave.

Farmington, New Mexico 87401

505-599-2286 (office)

505-215-4727 (Cell)

tjlong@eprod.com



This message (including any attachments) is confidential and intended for a specific individual and purpose. If you are not the intended recipient, please notify the sender immediately and delete this message.



# APPENDIX C

Tables

**Released to Imaging: 4/2/2024 1:23:18 PM** 

#### TABLE 1 Lateral 2C-15 Pigging Receiver Sump (8/15/19) GROUNDWATER ANALYTICAL SUMMARY Sample I.D. Sample Date Benzene Toluene Ethylbenzene **Xylenes** (µg/L) (µg/L) (µg/L) (µg/L) New Mexico Water Quality Control Commission 5 1.000 700 620 **Groundwater Quality Standards** Monitoring Wells Installed by Rule Engineering, LLC 12.20.19 900 3,100 150 2,000 1,600 5.28.20 9,000 300 5,100 10.15.20 NAPL NAPL 1.12.21 NAPL 4.21.21 NAPL 7.9.21 NAPL 10.28.21 NAPL MW-1 1.25.22 NAPL 5.3.22 NAPL 7.21.22 NAPL 10.20.22 NAPL 1.25.23 4.20.23 450 340 1,700 <5.0 7.11.23 NAPL 3,400 11.1.23 910 2.000 120 12.21.19 <2.0 <2.0 <2.0 390 5.28.20 <1.0 <1.0 <1.0 1.7 10.15.20 <1.0 <1.0 <1.0 63 1.12.21 <1.0 <1.0 <1.0 2.3 4.21.21 2.8 <1.0 <1.0 4.4 7.9.21 3.5 <1.0 1.4 5.7 10.28.21 <1.0 1.3 5.8 <1.0 MW-2 1.25.22 <1.0 <1.0 <1.0 <1.5 5.3.22 <1.0 <1.0 <1.0 <1.5 7.21.22 <1.0 <1.0 <1.0 <1.5 10.20.22 <1.0 <1.0 <1.5 1.2 1.25.23 <1.0 <1.0 <1.0 2.7 2.8 4.19.23 <1.0 <1.0 1.1 7.11.23 1.0 <1.0 <1.0 <1.5 10.31.23 <1.0 <1.0 <1.0 2.6 1,200 130 180 870 12.22.19 5.28.20 460 <25 56 <50 10.15.20 480 <5.0 <7.5 60 1.12.21 280 <5.0 42 <10 <5.0 4.21.21 140 27 <10 7.9.21 110 <1.0 26 10 7.2 10.28.21 89 <1.0 17 MW-3 1.25.22 72 <1.0 14 <1.5 72 5.3.22 <2.0 15 <3.0 47 7.21.22 <4.0 9.9 <8.0 10.21.22 58 <1.0 12 2.5 1.26.23 48 <1.0 11 <1.5 4.20.23 44 <5.0 11 <10 7.12.23 31 <5.0 7.3 <7.5 11.1.23 26 <1.0 5.3 9.3

#### E N S O L U M

|   | TABLE 1           Lateral 2C-15 Pigging Receiver Sump (8/15/19)           GROUNDWATER ANALYTICAL SUMMARY |                   |                   |                        |                   |  |  |  |
|---|--|-------------------|-------------------|------------------------|-------------------|--|--|--|
| Sample I.D.                               | Sample Date  | Benzene<br>(µg/L) | Toluene<br>(μg/L) | Ethylbenzene<br>(µg/L) | Xylenes<br>(µg/L) |  |  |  |
| New Mexico Wate<br>Commi<br>Groundwater Q | er Quality Control<br>mission<br>uality Standards  | 5                 | 1,000             | 700                    | 620               |  |  |  |
|   | 12.23.19   | 3.3               | 1.2               | 4.4                    | 3.0               |  |  |  |
|   | 5.28.20  | <1.0              | <1.0              | <1.0                   | <1.5              |  |  |  |
|   | 10.15.20   | 1.1               | <1.0              | 3.0                    | <1.5              |  |  |  |
|   | 1.12.21  | <1.0              | <1.0              | 1.1                    | <2.0              |  |  |  |
|   | 4.21.21  | 1.6               | <1.0              | <1.0                   | <2.0              |  |  |  |
|   | 7.9.21   | 1.9               | <1.0              | <1.0                   | <2.0              |  |  |  |
|   | 10.28.21   | <1.0              | <1.0              | <1.0                   | <2.0              |  |  |  |
| MW-4                                      | 1.25.22  | <1.0              | <1.0              | <1.0                   | <1.5              |  |  |  |
|   | 5.3.22   | <1.0              | <1.0              | <1.0                   | <1.5              |  |  |  |
|   | 7.21.22  | <1.0              | <1.0              | <1.0                   | <1.5              |  |  |  |
|   | 10.20.22   | <1.0              | <1.0              | <1.0                   | <1.5              |  |  |  |
|   | 1.26.23  | <1.0              | <1.0              | <1.0                   | <1.5              |  |  |  |
|   | 4.19.23  | <1.0              | <1.0              | <1.0                   | <2.0              |  |  |  |
|   | 7.11.23  | <1.0              | <1.0              | <1.0                   | <1.5              |  |  |  |
|   | 11.1.23  | <1.0              | <1.0              | <1.0                   | <2.0              |  |  |  |
|   | 12.24.19   | 270               | 9.7               | 56                     | 530               |  |  |  |
|   | 5.28.20  | 110               | <10               | 21                     | <15               |  |  |  |
|   | 10.15.20   | 110               | <5.0              | 16                     | 45                |  |  |  |
|   | 1.12.21  | 110               | <5.0              | 13                     | <10               |  |  |  |
|   | 4.21.21  | 120               | <5.0              | 12                     | <10               |  |  |  |
|   | 7.9.21   | 150               | <1.0              | 23                     | 56                |  |  |  |
|   | 10.28.21   | 56                | <1.0              | 6.0                    | 5.9               |  |  |  |
| MW-5                                      | 1.25.22  | 53                | <1.0              | 1.5                    | <1.5              |  |  |  |
|   | 5.3.22   | 32                | <2.0              | 2.7                    | 5.8               |  |  |  |
|   | 7.21.22  | 17                | <4.0              | 6.9                    | 14                |  |  |  |
|   | 10.21.22   | 6.0               | <1.0              | 2.3                    | 6.2               |  |  |  |
|   | 1.26.23  | 1.7               | <1.0              | 1.5                    | 4.4               |  |  |  |
|   | 4.20.23  | <5.0              | <5.0              | <5.0                   | <10               |  |  |  |
|   | 7.12.23  | 5.1               | <5.0              | 9.8                    | 18                |  |  |  |
|   | 11.1.23  | 4.9               | <1.0              | 3.0                    | 8.3               |  |  |  |

|                       | TABLE 1           Lateral 2C-15 Pigging Receiver Sump (8/15/19)           GROUNDWATER ANALYTICAL SUMMARY |                   |                   |                        |                   |  |  |  |
|-----------------------|--|-------------------|-------------------|------------------------|-------------------|--|--|--|
| Sample I.D.           | Sample Date  | Benzene<br>(μg/L) | Toluene<br>(μg/L) | Ethylbenzene<br>(µg/L) | Xylenes<br>(µg/L) |  |  |  |
| New Mexico Wat        | er Quality Control   |                   |                   |                        |                   |  |  |  |
| Comm<br>Groundwater O | mission  | 5                 | 1,000             | 700                    | 620               |  |  |  |
| Groundwater G         |  | 1.0               | 1.0               | 4.0                    | 0.0               |  |  |  |
|                       | 3.05.20  | <1.0              | <1.0              | <1.0                   | <2.0              |  |  |  |
|                       | 5.26.20  | <1.0              | <1.0              | <1.0                   | <1.5              |  |  |  |
|                       | 1 12 21  | <1.0              | <1.0              | <1.0                   | <1.5              |  |  |  |
|                       | 1.12.21  | <1.0              | <1.0              | <1.0                   | <2.0              |  |  |  |
|                       | 7.0.21   | <1.0              | <1.0              | <1.0                   | <2.0              |  |  |  |
|                       | 10.28.21   | <1.0              | <1.0              | <1.0                   | <2.0              |  |  |  |
| MW-6                  | 1 25 22  | <1.0              | <1.0              | <1.0                   | <1.5              |  |  |  |
|                       | 5 3 22   | <1.0              | <1.0              | <1.0                   | <1.5              |  |  |  |
|                       | 7 21 22  | <1.0              | <1.0              | <1.0                   | <1.5              |  |  |  |
|                       | 10.20.22   | <1.0              | <1.0              | <1.0                   | <1.5              |  |  |  |
|                       | 1 25 23  | <1.0              | <1.0              | <1.0                   | <2.0              |  |  |  |
|                       | 4 19 23  | <1.0              | <1.0              | <1.0                   | <2.0              |  |  |  |
|                       | 7.11.23  | <1.0              | <1.0              | <1.0                   | <1.5              |  |  |  |
|                       | 10.31.23   | <1.0              | <1.0              | <1.0                   | <2.0              |  |  |  |
|                       | 3.05.20  | 2.9               | 19                | 48                     | 750               |  |  |  |
|                       | 5.28.20  | <1.0              | <1.0              | <1.0                   | <1.5              |  |  |  |
|                       | 10.15.20   | <1.0              | <1.0              | 1.1                    | 19                |  |  |  |
|                       | 1.12.21  | <1.0              | <1.0              | <1.0                   | <2.0              |  |  |  |
|                       | 4.21.21  | <1.0              | <1.0              | <1.0                   | <2.0              |  |  |  |
|                       | 7.9.21   | <1.0              | <1.0              | <1.0                   | <2.0              |  |  |  |
|                       | 10.28.21   | <1.0              | <1.0              | <1.0                   | <2.0              |  |  |  |
| MW-7                  | 1.25.22  | <1.0              | <1.0              | <1.0                   | <1.5              |  |  |  |
|                       | 5.3.22   | <1.0              | <1.0              | <1.0                   | <1.5              |  |  |  |
|                       | 7.21.22  | <1.0              | <1.0              | <1.0                   | <1.5              |  |  |  |
|                       | 10.20.22   | <1.0              | <1.0              | <1.0                   | <1.5              |  |  |  |
|                       | 1.25.23  | <1.0              | <1.0              | <1.0                   | <2.0              |  |  |  |
|                       | 4.19.23  | <1.0              | <1.0              | <1.0                   | <2.0              |  |  |  |
|                       | 7.11.23  | <1.0              | <1.0              | <1.0                   | <1.5              |  |  |  |
|                       | 10.31.23   | <1.0              | <1.0              | <1.0                   | <2.0              |  |  |  |
|                       | 3.05.20  | <1.0              | <1.0              | <1.0                   | <2.0              |  |  |  |
|                       | 5.28.20  | <1.0              | <1.0              | <1.0                   | <1.5              |  |  |  |
|                       | 10.15.20   | <1.0              | <1.0              | <1.0                   | <1.5              |  |  |  |
|                       | 1.12.21  | <1.0              | <1.0              | <1.0                   | <2.0              |  |  |  |
|                       | 4.21.21  | <1.0              | <1.0              | <1.0                   | <2.0              |  |  |  |
|                       | 7.9.21   | <1.0              | <1.0              | <1.0                   | <2.0              |  |  |  |
|                       | 10.28.21   | <1.0              | <1.0              | <1.0                   | <2.0              |  |  |  |
| MW-8                  | 1.25.22  | <1.0              | <1.0              | <1.0                   | <1.5              |  |  |  |
|                       | 5.3.22   | <1.0              | <1.0              | <1.0                   | <1.5              |  |  |  |
|                       | 7.21.22  | <1.0              | <1.0              | <1.0                   | <1.5              |  |  |  |
|                       | 10.20.22   | <1.0              | <1.0              | <1.0                   | <1.5              |  |  |  |
|                       | 1.25.23  | <1.0              | <1.0              | <1.0                   | <2.0              |  |  |  |
|                       | 4.19.23  | <1.0              | <1.0              | <1.0                   | <2.0              |  |  |  |
|                       | 7.11.23  | <1.0              | <1.0              | <1.0                   | <1.5              |  |  |  |
| 1                     | 10.31.23   | <1.0              | <1.0              | <1.0                   | <2.0              |  |  |  |

#### E N S O L U M

| TABLE 1        |                    |                                     |                                     |               |       |  |  |
|----------------|--------------------|-------------------------------------|-------------------------------------|---------------|-------|--|--|
|                | Latera             | al 2C-15 Pigging F<br>ROUNDWATER AN | Receiver Sump (8,<br>ALYTICAL SUMMA | /15/19)<br>RY |       |  |  |
| Sample I.D.    | Sample Date        | Xylenes<br>(ug/L)                   |                                     |               |       |  |  |
|                |                    | (F3/                                | (#3/                                | (115/         | (#3)  |  |  |
| New Mexico Wat | er Quality Control | 5                                   | 1 000                               | 700           | 620   |  |  |
| Groundwater Q  | uality Standards   | Ū                                   | 1,000                               | 100           | 020   |  |  |
|                | 3.05.20            | 490                                 | 860                                 | 65            | 680   |  |  |
|                | 5.28.20            | 900                                 | 72                                  | 65            | 320   |  |  |
|                | 10.15.20           | 1,100                               | 1,000                               | 110           | 660   |  |  |
|                | 1.12.21            | 1,800                               | 2,300                               | 160           | 1,200 |  |  |
|                | 4.21.21            | 1,800                               | 2,400                               | 170           | 1,200 |  |  |
|                | 7.9.21             | 2,000                               | 2,600                               | 160           | 1,300 |  |  |
|                | 10.28.21           | 2,000                               | 2,800                               | 170           | 1,400 |  |  |
| MW-9           | 1.25.22            | 1,900                               | 2,300                               | 160           | 1,200 |  |  |
|                | 5.3.22             | 1,900                               | 2,400                               | 160           | 1,200 |  |  |
|                | 7.21.22            | 2,100                               | 2,400                               | 150           | 1,100 |  |  |
|                | 10.21.22           | 49                                  | 57                                  | 3.9           | 30    |  |  |
|                | 1.26.23            | 2,000                               | 1,800                               | 210           | 1,500 |  |  |
|                | 4.20.23            | 1,400                               | 610                                 | 73            | 540   |  |  |
|                | 7.12.23            | 2,100                               | 840                                 | 200           | 1,300 |  |  |
|                | 11.1.23            | 2,000                               | 620                                 | 140           | 1,000 |  |  |
|                | 10.20.22           | <1.0                                | <1.0                                | <1.0          | <1.5  |  |  |
|                | 1.26.23            | <1.0                                | <1.0                                | <1.0          | <1.5  |  |  |
| MW-10          | 4.19.23            | <1.0                                | <1.0                                | <1.0          | <2.0  |  |  |
|                | 7.11.23            | <1.0                                | <1.0                                | <1.0          | <1.5  |  |  |
|                | 10.31.23           | <1.0                                | <1.0                                | <1.0          | <2.0  |  |  |
|                | 10.21.22           | <2.0                                | <2.0                                | <2.0          | <3.0  |  |  |
|                | 1.26.23            | <2.0                                | <2.0                                | <2.0          | <3.0  |  |  |
| MW-11          | 4.20.23            | <1.0                                | <1.0                                | <1.0          | <2.0  |  |  |
|                | 7.12.23            | <1.0                                | <1.0                                | <1.0          | <1.5  |  |  |
|                | 11.1.23            | <1.0                                | <1.0                                | <1.0          | <2.0  |  |  |
|                | 10.21.22           | <1.0                                | <1.0                                | <1.0          | <1.5  |  |  |
| 101/40         | 1.26.23            | <1.0                                | <1.0                                | <1.0          | <1.5  |  |  |
| MW-12          | 4.20.23            | <1.0                                | <1.0                                | <1.0          | <2.0  |  |  |
|                | 7.12.23            | <1.0                                | <1.0                                | <1.0          | <1.5  |  |  |
|                | 11.1.23            | <1.0                                | <1.0                                | <1.0          | <2.0  |  |  |
|                | 10.21.22           | <10                                 | 490                                 | 300           | 2,800 |  |  |
| NNA/ 40        | 1.26.23            | <5.0                                | 180                                 | 180           | 2,100 |  |  |
| IVIVV-13       | 4.20.23            | 5.0                                 | 89                                  | 98            | 950   |  |  |
|                | 7.12.23            | <2.0                                | 8.8                                 | 35            | 410   |  |  |
|                | 11.1.23            | <2.0                                | 5.7                                 | 52            | 180   |  |  |
|                | 10.21.22           | <2.0                                | <2.0                                | <2.0          | <3.0  |  |  |
|                | 1.26.23            | <2.0                                | <2.0                                | <2.0          | <3.0  |  |  |
| IVIVV - 1 4    | 4.20.23            | <1.0                                | <1.0                                | <1.0          | <2.0  |  |  |
|                | 7.12.23            | <1.0                                | <1.0                                | <1.0          | <1.5  |  |  |
|                | 11.1.23            | <1.0                                | <1.0                                | <1.0          | <2.0  |  |  |

Note: Concentrations in **bold** and yellow exceed the applicable WQCC GQS

Monitoring wells were sampled by Ensolum, LLC beginning May 2020

NAPL = Non-Aqueous Phase Liquid

 $\mu$  g/L = microgram per liter

<1.0 = the numeral (in this case "1.0") identifies the laboratory PQL or RL

|           |          |             | Lateral 2C-15 P<br>GROU | TABLE 2<br>igging Receiver | r Sump (8/15/19)<br>ATIONS | )               |                |             |
|-----------|----------|-------------|-------------------------|----------------------------|----------------------------|-----------------|----------------|-------------|
| Well I.D. | Date     | Depth to    | Depth to Water          | Product                    | Total Well                 | Screen Interval | TOC Elevations | Groundwater |
|           |          | Product     |                         | Thickness                  | Depth                      |                 |                | Elevation*  |
|           |          | (feet BTOC) | (feet BTOC)             |                            | (feet BTOC)                | (feet BTOC)     | (feet AMSL)    | (feet AMSL) |
|           | 5.28.20  | ND          | 24.32                   | ND                         |                            |                 | 6599.87        |             |
|           | 8.18.20  | 24.52       | 24.83                   | 0.31                       |                            |                 | 6599.87        | 6575.30     |
|           | 10.14.20 | 24.56       | 24.76                   | 0.20                       |                            |                 | 6599.87        | 6575.28     |
|           | 1.27.21  | 24.44       | 24.54                   | 0.10                       |                            |                 | 6599.87        | 6575.41     |
|           | 4.21.21  | 24.35       | 24.45                   | 0.10                       |                            |                 | 6599.87        | 6575.50     |
|           | 7.9.21   | 24.42       | 24.71                   | 0.29                       |                            |                 | 6599.87        | 6575.40     |
|           | 10.28.21 | 24.45       | 24.68                   | 0.23                       | -                          |                 | 6599.87        | 6575.38     |
| MW-1      | 1.25.22  | 24.36       | 24.44                   | 0.08                       | 30                         | 15-30           | 6599.87        | 6575.50     |
|           | 5.3.22   | 24.30       | 24.34                   | 0.04                       |                            |                 | 6599.87        | 6575.56     |
|           | 7.21.22  | 24.41       | 24.64                   | 0.23                       |                            |                 | 6599.87        | 6575.42     |
|           | 10.20.22 | 24.39       | 24.52                   | 0.13                       |                            |                 | 6599.87        | 6575.46     |
|           | 1.25.23  | 24.28       | 24.30                   | 0.02                       |                            |                 | 6599.87        | 6575.59     |
|           | 4.19.23  | ND          | 24.20                   | ND                         |                            |                 | 6599.87        | 6575.67     |
|           | 7.11.23  | 24.28       | 24.29                   | 0.01                       |                            |                 | 6599.87        | 6575.59     |
|           | 10.31.23 | ND          | 24.41                   | ND                         |                            |                 | 6599.87        | 6575.46     |
|           | 5.28.20  | ND          | 26.71                   | ND                         |                            |                 | 6602.17        | 6575.46     |
|           | 8.18.20  | ND          | 26.91                   | ND                         |                            |                 | 6602.17        | 6575.26     |
|           | 10.14.20 | ND          | 26.91                   | ND                         |                            |                 | 6602.17        | 6575.26     |
|           | 1.27.21  | ND          | 26.76                   | ND                         |                            |                 | 6602.17        | 6575.41     |
|           | 4.21.21  | ND          | 26.69                   | ND                         |                            |                 | 6602.17        | 6575.48     |
|           | 7.9.21   | ND          | 26.82                   | ND                         |                            |                 | 6602.17        | 6575.35     |
|           | 10.28.21 | ND          | 26.84                   | ND                         |                            |                 | 6602.17        | 6575.33     |
| MW-2      | 1.25.22  | ND          | 26.70                   | ND                         | 32.65                      | 17.65-32.65     | 6602.17        | 6575.47     |
|           | 5.3.22   | ND          | 26.64                   | ND                         |                            |                 | 6602.17        | 6575.53     |
|           | 7.21.22  | ND          | 26.78                   | ND                         |                            |                 | 6602.17        | 6575.39     |
|           | 10.20.22 | ND          | 26.74                   | ND                         |                            |                 | 6602.17        | 6575.43     |
|           | 1.25.23  | ND          | 26.60                   | ND                         |                            |                 | 6602.17        | 6575.57     |
|           | 4.19.23  | ND          | 26.52                   | ND                         |                            |                 | 6602.17        | 6575.65     |
|           | 7.11.23  | ND          | 26.62                   | ND                         |                            |                 | 6602.17        | 6575.55     |
|           | 10.31.23 | ND          | 26.73                   | ND                         |                            |                 | 6602.17        | 6575.44     |
|           | 5.28.20  | ND          | 26.20                   | ND                         |                            |                 | 6601.65        | 6575.45     |
|           | 8.18.20  | ND          | 26.39                   | ND                         |                            |                 | 6601.65        | 6575.26     |
|           | 10.14.20 | ND          | 26.37                   | ND                         |                            |                 | 6601.65        | 6575.28     |
|           | 1.27.21  | ND          | 26.23                   | ND                         |                            |                 | 6601.65        | 6575.42     |
|           | 4.21.21  | ND          | 26.15                   | ND                         |                            |                 | 6601.65        | 6575.50     |
|           | 7.9.21   | ND          | 26.27                   | ND                         |                            |                 | 6601.65        | 6575.38     |
|           | 10.28.21 | ND          | 26.30                   | ND                         |                            |                 | 6601.65        | 6575.35     |
| MW-3      | 1.25.22  | ND          | 26.15                   | ND                         | 32.67                      | 17.67-32.67     | 6601.65        | 6575.50     |
|           | 5.3.22   | ND          | 26.08                   | ND                         |                            |                 | 6601.65        | 6575.57     |
|           | 7.21.22  | ND          | 26.22                   | ND                         |                            |                 | 6601.65        | 6575.43     |
|           | 10.20.22 | ND          | 26.18                   | ND                         |                            |                 | 6601.65        | 6575.47     |
|           | 1.25.23  | ND          | 26.04                   | ND                         |                            |                 | 6601.65        | 6575.61     |
|           | 4.19.23  | ND          | 25.94                   | ND                         |                            |                 | 6601.65        | 6575.71     |
|           | 7.11.23  | ND          | 26.05                   | ND                         |                            |                 | 6601.65        | 6575.60     |
|           | 10.31.23 | ND          | 26.15                   | ND                         |                            |                 | 6601.65        | 6575.50     |

| Weil LD:         Date         Depate<br>(rest BTOC)         Depate<br>(rest BTOC)         Product<br>(rest BTOC)         Screen Interval<br>(rest MSL)         OC Elevations<br>(rest MSL)         Consummary<br>(rest MSL)           5.28.20         ND         25.17         ND         5.55         ND           10.14.20         ND         25.36         ND         5.56.5         ND           10.14.20         ND         25.13         ND         5.56.5         ND           10.14.20         ND         25.13         ND         5.67.71         6600.64         6675.21           12.72.1         ND         25.55         ND         5.32.2         ND         25.56         ND           12.52.2         ND         25.50         ND         5.32.2         ND         25.56         ND           12.52.2         ND         25.50         ND         5.32.2         ND         25.51         ND           10.28.21         ND         25.51         ND         25.52         ND         25.57.41           10.3.22         ND         25.51         ND         25.57.41         6600.64         6675.31           10.3.22         ND         25.51         ND         25.57.41         6600.71         6675.  |           |          |             | Lateral 2C-15 P<br>GROU | TABLE 2<br>igging Receiver | r Sump (8/15/19)<br>ATIONS | )               |                |             |
|---|-----------|----------|-------------|-------------------------|----------------------------|----------------------------|-----------------|----------------|-------------|
| Image: biology of the transmission of transmiss | Well I.D. | Date     | Depth to    | Depth to Water          | Product                    | Total Well                 | Screen Interval | TOC Elevations | Groundwater |
| Image: Series of the  |           |          | Product     |                         | Thickness                  | Depth                      |                 |                | Elevation*  |
| 52820         ND         25.17         ND           8.18.20         ND         25.36         ND           1.17.21         ND         25.36         ND           4.21.21         ND         25.36         ND           1.77.21         ND         25.36         ND           1.22.21         ND         25.56         ND           1.25.22         ND         25.66         ND           1.25.22         ND         25.66         ND           1.25.22         ND         25.66         ND           1.25.22         ND         25.66         ND           1.22.22         ND         25.61         ND           1.22.22         ND         25.61         ND           1.22.22         ND         25.61         ND           1.22.22         ND         25.61         ND           1.12.23         ND         25.62         ND           1.13.12         ND         25.62         ND           1.13.21         ND         25.44         ND           1.01.42.0         ND         25.34         ND           1.27.21         ND         25.35         ND   |           |          | (feet BTOC) | (feet BTOC)             |                            | (feet BTOC)                | (feet BTOC)     | (feet AMSL)    | (feet AMSL) |
| 8.8.20         ND         25.36         ND           10.14.20         ND         25.96         ND           11.27.21         ND         25.19         ND           7.9.21         ND         25.25         ND           10.28.21         ND         25.26         ND           1.25.22         ND         25.66         ND           7.9.21         ND         25.67         ND           1.25.22         ND         25.66         ND           7.21.22         ND         25.66         ND           1.25.23         ND         25.61         ND           1.25.33         ND         25.61         ND           1.25.33         ND         25.61         ND           1.12.3         ND         25.61         ND           1.03.123         ND         25.31         ND           1.01.3123         ND         25.32         ND           1.01.420         ND         25.44         ND           1.01.420         ND         25.33         ND           1.01.420         ND         25.34         ND           1.01.420         ND         25.31         ND      <  |           | 5.28.20  | ND          | 25.17                   | ND                         |                            |                 | 6600.64        | 6575.47     |
| 1014.20         ND         25.36         ND           1.27.21         ND         25.13         ND           7.9.21         ND         25.25         ND           102.82.1         ND         25.25         ND           102.82.1         ND         25.25         ND           102.82.1         ND         25.36         ND           102.82.1         ND         25.36         ND           7.31.22         ND         25.66         ND           125.23         ND         25.01         ND           125.23         ND         25.01         ND           11.25.23         ND         25.01         ND           11.33         ND         25.01         ND           11.31.2         ND         25.13         ND           10.31.23         ND         25.13         ND           10.14.20         ND         25.44         ND           11.27.21         ND         25.33         ND           10.14.20         ND         25.44         ND           10.22.2         ND         25.33         ND           10.22.2         ND         25.34         ND <tr< td=""><td></td><td>8.18.20</td><td>ND</td><td>25.36</td><td>ND</td><td></td><td></td><td>6600.64</td><td>6575.28</td></tr<>  |           | 8.18.20  | ND          | 25.36                   | ND                         |                            |                 | 6600.64        | 6575.28     |
| 12.2.1         ND         25.13         ND           4.21.21         ND         25.13         ND           7.9.21         ND         25.25         ND           10.28.21         ND         25.26         ND           125.22         ND         25.13         ND           126.22         ND         25.06         ND           126.22         ND         25.01         ND           10.0.22         ND         25.01         ND           10.20.22         ND         25.01         ND           1128.23         ND         25.01         ND           1123.23         ND         25.01         ND           1.123.3         ND         25.02         ND           7.11.23         ND         25.02         ND           1.03.12.3         ND         25.44         ND           1.04.20         ND         25.44         ND           1.01.420         ND         25.43         ND           1.02.1         ND         25.31         ND           7.21.2         ND         25.31         ND           1.02.22         ND         25.31         ND   |           | 10.14.20 | ND          | 25.36                   | ND                         |                            |                 | 6600.64        | 6575.28     |
| 4 21 21         ND         25.25         ND           7.9.21         ND         25.25         ND           10.28.21         ND         25.66         ND           15.322         ND         25.06         ND           128.21         ND         25.06         ND           7.1.22         ND         25.01         ND           125.23         ND         25.01         ND           125.23         ND         25.01         ND           125.23         ND         25.01         ND           125.23         ND         25.02         ND           125.23         ND         25.02         ND           125.23         ND         25.13         ND           125.24         ND         25.44         ND           127.21         ND         25.44         ND           127.21         ND         25.33         ND           128.21         ND         25.35         ND           128.21         ND         25.35         ND           128.22         ND         25.31         ND           128.23         ND         25.35         ND           128.24  |           | 1.27.21  | ND          | 25.19                   | ND                         |                            |                 | 6600.64        | 6575.45     |
| MW-4         7.9.21         ND         25.26         ND           10.28.21         ND         25.26         ND         6600.64         6575.38           11.25.22         ND         25.06         ND         7.727.32.27         6600.64         6575.31           7.7122         ND         25.06         ND         6600.64         6575.41           10.20.22         ND         25.01         ND         6600.64         6575.43           10.20.22         ND         25.02         ND         6600.64         6575.43           10.20.21         ND         25.02         ND         6600.64         6575.43           6600.64         6575.72         6600.64         6575.72         6600.64         6575.51           7.11.23         ND         25.41         ND         6600.71         6575.42           6600.71         6175.42         ND         25.44         ND         6600.71         6575.42           11.22.1         ND         25.53         ND         7.721.22         ND         25.73         ND           10.20.21         ND         25.33         ND         32.76         17.76-32.66         6600.71         6575.42           10.20.  |           | 4.21.21  | ND          | 25.13                   | ND                         |                            |                 | 6600.64        | 6575.51     |
| MW-4         10.28.21         ND         25.26         ND           125.22         ND         25.13         ND         32.27         17.27-32.27         6600.64         6575.58           7.21.22         ND         25.06         ND         10.02.27         ND         25.07         ND         25.07         ND         25.16         ND         6600.64         6575.58         6600.64         6575.63           1.25.23         ND         25.07         ND         25.07         ND         6600.64         6575.63           1.15.23         ND         25.02         ND         6600.64         6575.61           1.0.31.23         ND         25.02         ND         6600.71         6575.27           10.14.20         ND         25.44         ND         6600.71         6575.27           10.14.20         ND         25.38         ND         6600.71         6575.38           10.22.11         ND         25.33         ND         32.76         17.76-32.76         6600.71         6575.34           10.22.21         ND         25.31         ND         32.76         17.76-32.76         6600.71         6575.34           10.22.21         ND         25.31  |           | 7.9.21   | ND          | 25.25                   | ND                         |                            |                 | 6600.64        | 6575.39     |
| MW-4         1.5.2.2         ND         25.13         ND         32.27         17.27.32.27         6600.64         6575.51           5.3.22         ND         25.06         ND         1600.64         6575.41           12.02.02         ND         25.16         ND         6600.64         6575.43           12.52.3         ND         25.01         ND         6600.64         6575.43           12.02.02         ND         25.02         ND         6600.64         6575.62           10.31.23         ND         25.02         ND         6600.64         6575.42           6600.64         6575.41         77.12.3         ND         25.42         ND         6600.71         6575.47           10.14.20         ND         25.44         ND         7.57         7.600.71         6575.47           11.22.1         ND         25.38         ND         10.57.27         6600.71         6575.48           10.02.02         ND         25.17         ND         25.76         17.76-32.76         6600.71         6575.48           10.02.02         ND         25.13         ND         32.76         17.76-32.76         6600.71         6575.48           10.22.2  |           | 10.28.21 | ND          | 25.26                   | ND                         | -                          |                 | 6600.64        | 6575.38     |
| 5.3.22         ND         25.06         ND           7.21.22         ND         25.20         ND           10.20.22         ND         25.01         ND           1.5.23         ND         25.01         ND           4.19.23         ND         25.01         ND           7.11.23         ND         25.01         ND           1.62.02         ND         25.01         ND           7.11.23         ND         25.02         ND           1.03.1.23         ND         25.02         ND           1.03.1.23         ND         25.44         ND           1.14.20         ND         25.44         ND           1.01.4.20         ND         25.35         ND           1.01.4.20         ND         25.35         ND           1.02.21         ND         25.35         ND           1.02.22         ND         25.17         ND           1.25.22         ND         25.11         ND           1.25.22         ND         25.14         ND           1.25.23         ND         25.14         ND           1.25.23         ND         25.14         ND  | MW-4      | 1.25.22  | ND          | 25.13                   | ND                         | 32.27                      | 17.27-32.27     | 6600.64        | 6575.51     |
| 10.20.22         ND         25.20         ND           10.20.22         ND         25.16         ND           1.25.23         ND         25.01         ND           4.19.23         ND         25.02         ND           10.31.23         ND         25.02         ND           10.31.23         ND         25.02         ND           5.28.20         ND         25.44         ND           10.14.20         ND         25.44         ND           10.14.20         ND         25.23         ND           1.27.21         ND         25.23         ND           1.27.21         ND         25.23         ND           1.27.21         ND         25.35         ND           1.25.22         ND         25.35         ND           1.25.22         ND         25.17         ND           1.25.23         ND         25.13         ND      <  |           | 5.3.22   | ND          | 25.06                   | ND                         |                            |                 | 6600.64        | 6575.58     |
| 10.2022         ND         25.16         ND           1.25.23         ND         25.01         ND           4.19.23         ND         25.02         ND           7.11.23         ND         25.02         ND           5.28.20         ND         25.44         ND           5.28.20         ND         25.44         ND           10.14.20         ND         25.44         ND           10.14.20         ND         25.44         ND           10.14.20         ND         25.44         ND           10.14.20         ND         25.44         ND           10.22.1         ND         25.23         ND           10.28.21         ND         25.35         ND           10.28.21         ND         25.35         ND           10.28.21         ND         25.31         ND           7.21.22         ND         25.51         ND           10.28.21         ND         25.13         ND           7.21.22         ND         25.51         ND           10.28.2         ND         25.51         ND           10.31.23         ND         25.56         ND  |           | 7.21.22  | ND          | 25.20                   | ND                         |                            |                 | 6600.64        | 6575.44     |
| 1.25.23         ND         25.01         ND           4.19.23         ND         24.92         ND           10.31.23         ND         25.02         ND           5.28.20         ND         25.13         ND           5.28.20         ND         25.44         ND           8.18.20         ND         25.44         ND           10.14.20         ND         25.44         ND           11.27.21         ND         25.23         ND           12.7.21         ND         25.23         ND           12.7.21         ND         25.23         ND           10.28.21         ND         25.35         ND           10.28.21         ND         25.33         ND           12.5.22         ND         25.31         ND           10.20.22         ND         25.31         ND           10.20.22         ND         25.31         ND           10.20.22         ND         25.31         ND           10.31.23         ND         25.05         ND           110.31.23         ND         25.05         ND           110.31.23         ND         25.61         ND <td></td> <td>10.20.22</td> <td>ND</td> <td>25.16</td> <td>ND</td> <td></td> <td></td> <td>6600.64</td> <td>6575.48</td>   |           | 10.20.22 | ND          | 25.16                   | ND                         |                            |                 | 6600.64        | 6575.48     |
| 4.19.23         ND         24.92         ND           7.11.23         ND         25.02         ND         6600.64         6575.72           10.31.23         ND         25.13         ND         6600.64         6575.51           528.20         ND         25.44         ND         6600.64         6575.27           10.14.20         ND         25.44         ND         6600.71         6575.27           10.14.20         ND         25.23         ND         7.92.1         ND         25.35         ND           10.28.21         ND         25.35         ND         6600.71         6575.32         6600.71         6575.33           10.28.21         ND         25.33         ND         10.575.34         6600.71         6575.48           5.3.22         ND         25.31         ND         6600.71         6575.43           10.20.22         ND         25.13         ND         6600.71         6575.43           10.20.22         ND         25.13         ND         6600.71         6575.43           10.31.23         ND         25.14         ND         6600.71         6575.44           6600.71         6575.45         6600.71  |           | 1.25.23  | ND          | 25.01                   | ND                         |                            |                 | 6600.64        | 6575.63     |
| 7.1.23         ND         25.02         ND         6600.64         6575.62           10.31.23         ND         25.13         ND         6600.64         6575.61           5.8.2.0         ND         25.24         ND         6600.71         6575.27           10.14.20         ND         25.44         ND         6600.71         6575.27           10.14.20         ND         25.23         ND         6600.71         6575.27           1.27.21         ND         25.23         ND         6600.71         6575.42           1.25.22         ND         25.23         ND         6600.71         6575.48           1.25.22         ND         25.37         ND         6600.71         6575.48           1.25.22         ND         25.31         ND         6600.71         6575.48           1.25.23         ND         25.17         ND         6600.71         6575.43           1.25.23         ND         25.13         ND         6600.71         6575.43           1.25.23         ND         25.14         ND         6600.71         6575.45           1.25.23         ND         25.61         ND         6601.06         6575.45   |           | 4.19.23  | ND          | 24.92                   | ND                         |                            |                 | 6600.64        | 6575.72     |
| 10.312.3         ND         25.13         ND         6600.64         6575.51           5.28.20         ND         25.24         ND         6600.71         6575.27           10.14.20         ND         25.44         ND         6600.71         6575.27           10.14.20         ND         25.44         ND         6600.71         6575.27           12.7.21         ND         25.23         ND         6600.71         6575.42           4.21.21         ND         25.35         ND         6600.71         6575.38           10.28.21         ND         25.38         ND         6600.71         6575.44           12.522         ND         25.31         ND         6600.71         6575.40           10.20.22         ND         25.31         ND         6600.71         6575.40           10.20.22         ND         25.13         ND         6600.71         6575.40           10.20.22         ND         25.13         ND         6600.71         6575.43           12.52.3         ND         25.05         ND         6600.71         6575.43           10.20.22         ND         25.61         ND         6601.06         6575.45 </td <td></td> <td>7.11.23</td> <td>ND</td> <td>25.02</td> <td>ND</td> <td>-</td> <td></td> <td>6600.64</td> <td>6575.62</td>  |           | 7.11.23  | ND          | 25.02                   | ND                         | -                          |                 | 6600.64        | 6575.62     |
| NU-5         ND         25.24         ND         6600.71         6675.47           8.18.20         ND         25.44         ND         6600.71         6675.27           1.1.4.20         ND         25.44         ND         6600.71         6675.27           1.27.21         ND         25.29         ND         6600.71         6675.27           4.21.21         ND         25.35         ND         6600.71         6675.48           7.9.21         ND         25.38         ND         6600.71         6675.36           10.28.21         ND         25.31         ND         6600.71         6675.44           6600.71         6575.44         6600.71         6575.44         6600.71         6575.44           10.20.22         ND         25.17         ND         6600.71         6575.43           12.52.3         ND         25.13         ND         6600.71         6575.43           12.52.3         ND         25.13         ND         6600.71         6575.43           6600.71         6575.43         6600.71         6575.43         6600.71         6575.43           10.21.23         ND         25.61         ND         6601.06         65  |           | 10.31.23 | ND          | 25.13                   | ND                         |                            |                 | 6600.64        | 6575.51     |
| Bit   |           | 5.28.20  | ND          | 25.24                   | ND                         | -                          |                 | 6600.71        | 6575.47     |
| Image: 10.14.20         ND         25.44         ND           1.27.21         ND         25.29         ND           4.21.21         ND         25.23         ND           7.9.21         ND         25.35         ND           10.28.21         ND         25.33         ND           10.28.21         ND         25.33         ND           5.3.22         ND         25.31         ND           7.7.21.22         ND         25.31         ND           1.25.23         ND         25.31         ND           1.25.23         ND         25.31         ND           1.25.23         ND         25.31         ND           1.25.23         ND         25.13         ND           1.25.23         ND         25.13         ND           1.25.23         ND         25.13         ND           1.25.23         ND         25.14         ND           1.25.23         ND         25.61         ND           1.125.23         ND         25.61         ND           10.31.23         ND         25.61         ND           10.420         ND         25.61         ND  |           | 8.18.20  | ND          | 25.44                   | ND                         | -                          |                 | 6600.71        | 6575.27     |
| Image: Application of the system of |           | 10.14.20 | ND          | 25.44                   | ND                         | -                          |                 | 6600.71        | 6575.27     |
| A         A         21.2.1         ND         25.23         ND           10.28.21         ND         25.35         ND           10.28.21         ND         25.38         ND           11.25.22         ND         25.33         ND           11.25.22         ND         25.31         ND           10.20.21         ND         25.31         ND           10.20.22         ND         25.31         ND           10.20.22         ND         25.31         ND           1.25.23         ND         25.05         ND           1.25.23         ND         25.05         ND           1.25.23         ND         25.05         ND           1.125.23         ND         25.05         ND           1.125.23         ND         25.05         ND           1.125.23         ND         25.14         ND           10.31.23         ND         25.61         ND           10.31.23         ND         25.61         ND           10.14.20         ND         25.60         ND           11.27.21         ND         25.65         ND           10.28.21         ND  |           | 1.27.21  | ND          | 25.29                   | ND                         | -                          |                 | 6600.71        | 6575.42     |
| MW-5         10.28.21         ND         25.38         ND           MW-5         1.25.22         ND         25.23         ND         32.76         17.76-32.76         6600.71         6575.38           5.3.22         ND         25.17         ND         7.1.1         6600.71         6575.48           7.21.22         ND         25.13         ND         6600.71         6575.44           10.20.22         ND         25.13         ND         6600.71         6575.43           4.19.23         ND         25.05         ND         6600.71         6575.44           6600.71         6575.44         6600.71         6575.44         6600.71         6575.44           10.31.23         ND         25.61         ND         6601.06         6575.45           10.14.20         ND         25.65         ND         6601.06         6575.45           10.14.20         ND         25.65         ND         6601.06         6575.45           10.26.21         ND         25.65         ND         6601.06         6575.45           10.26.21         ND         25.73         ND         6601.06         6575.33           10.26.21         ND         25.73<  |           | 4.21.21  | ND          | 25.23                   | ND                         |                            |                 | 6600.71        | 6575.48     |
| MW-5         10.28.21         ND         25.38         ND           5.3.22         ND         25.23         ND         32.76         17.76-32.76         6600.71         6575.48           7.21.22         ND         25.17         ND         6600.71         6575.48         6600.71         6575.48           10.20.22         ND         25.13         ND         6600.71         6575.43         6600.71         6575.43           1.25.23         ND         25.13         ND         6600.71         6575.43         6600.71         6575.43           4.19.23         ND         25.05         ND         6600.71         6575.43           7.11.23         ND         25.14         ND         6600.71         6575.44           6600.71         6575.44         6600.71         6575.44         6601.01         6575.44           7.11.23         ND         25.61         ND         6601.06         6575.45           818.20         ND         25.80         ND         6601.06         6575.45           10.24.21         ND         25.65         ND         6601.06         6575.45           10.25.21         ND         25.73         ND         6601.06  |           | 7.9.21   | ND          | 25.35                   | ND                         | -                          |                 | 6600.71        | 6575.36     |
| MW-5         1.25.22         ND         25.23         ND         52.76         17.76-52.76         6600.71         6575.48           5.3.22         ND         25.17         ND          6600.71         6575.44           7.21.22         ND         25.31         ND          6600.71         6575.44           10.20.22         ND         25.28         ND          6600.71         6575.43           1.25.23         ND         25.05         ND          6600.71         6575.58           4.19.23         ND         25.14         ND          6600.71         6575.57           10.31.23         ND         25.81         ND          6601.06         6575.45           8.18.20         ND         25.80         ND          6601.06         6575.45           10.14.20         ND         25.65         ND          6601.06         6575.45           11.27.21         ND         25.65         ND          6601.06         6575.35           10.28.21         ND         25.73         ND          6601.06         6575.33           10.28.22         ND  | N04/ 5    | 10.28.21 | ND          | 25.38                   | ND                         | 00.70                      | 47 70 00 70     | 6600.71        | 6575.33     |
| S.3.22         ND         2.5.17         ND           7.21.22         ND         25.31         ND           10.20.22         ND         25.28         ND           1.25.23         ND         25.13         ND           4.19.23         ND         25.14         ND           6600.71         6675.58           6600.71         6575.68           6600.71         6575.68           6600.71         6575.68           6600.71         6575.68           6600.71         6575.68           6600.71         6575.57           10.31.23         ND         25.27           ND         25.61         ND           5.28.20         ND         25.61           10.14.20         ND         25.80           ND         25.65         ND           1.27.21         ND         25.71           ND         25.71         ND           1.27.21         ND         25.71           ND         25.71         ND           1.27.21         ND         25.73           ND         25.73         ND           5.322         ND         25.61         ND </td <td>10100-5</td> <td>1.25.22</td> <td>ND</td> <td>25.23</td> <td>ND</td> <td>32.70</td> <td>17.70-32.70</td> <td>6600.71</td> <td>6575.48</td>  | 10100-5   | 1.25.22  | ND          | 25.23                   | ND                         | 32.70                      | 17.70-32.70     | 6600.71        | 6575.48     |
| MW-6         1.2.1.22         ND         25.31         ND           10.20.22         ND         25.28         ND           1.25.23         ND         25.13         ND           4.19.23         ND         25.05         ND           7.1.1.23         ND         25.05         ND           10.31.23         ND         25.05         ND           10.31.23         ND         25.07         ND           6600.71         6657.543           6600.71         6575.66           6600.71         6575.45           6600.71         6575.45           6600.71         6575.45           6600.71         6575.45           6600.71         6575.45           6600.71         6575.45           10.14.20         ND         25.60           11.27.21         ND         25.60           11.27.21         ND         25.73           ND         25.73         ND           10.28.21         ND         25.73           ND         25.53         ND           10.28.22         ND         25.67           10.20.22         ND         25.63           ND   |           | 5.3.22   | ND          | 25.17                   | ND                         | 4                          |                 | 6600.71        | 6575.54     |
| International condition         ND         23.28         ND         ND         8600.71         6600.71         6675.58         6600.71         6675.58         6600.71         6675.58         6600.71         6675.58         6600.71         6675.57         6600.71         6675.57         6600.71         6675.57         6600.71         6675.57         6600.71         6675.57         6600.71         6675.57         6600.71         6675.57         6600.71         6675.57         6600.71         6675.54         6601.06         6675.54         6601.06         6675.45         6601.06         6675.45         6601.06         6675.45         6601.06         6675.45         6601.06         6675.45         6601.06         6675.45         6601.06         6675.45         6601.06         6675.45         6601.06         6675.45         6601.06         6675.45         6601.06         6675.45         6601.06         6675.45         6601.06         6675.45         6601.06         6657.45         6601.06         6657.45         6601.06         6657.45         6601.06         6657.45         6601.06         6657.45         6601.06         6657.45         6601.06         6657.45         6601.06         6657.53         6601.06         6657.53         6601.06         6657.53         6601.06 <th< td=""><td></td><td>1.21.22</td><td>ND</td><td>25.31</td><td>ND</td><td>-</td><td></td><td>6600.71</td><td>6575.40</td></th<>  |           | 1.21.22  | ND          | 25.31                   | ND                         | -                          |                 | 6600.71        | 6575.40     |
| MW-6         1.23.23         ND         25.13         ND         25.05         ND           MW-6         7.11.23         ND         25.05         ND         6600.71         6575.66           7.11.23         ND         25.14         ND         6600.71         6575.67           10.31.23         ND         25.27         ND         6600.71         6575.44           5.28.20         ND         25.61         ND         6601.06         6575.45           8.18.20         ND         25.80         ND         6601.06         6575.45           10.14.20         ND         25.65         ND         6601.06         6575.41           1.27.21         ND         25.65         ND         6601.06         6575.41           4.21.21         ND         25.60         ND         6601.06         6575.35           10.28.21         ND         25.73         ND         28.53         13.53-28.53         6601.06         6575.33           1.25.22         ND         25.67         ND         28.53         13.53-28.53         6601.06         6575.53           10.20.22         ND         25.63         ND         6601.06         6575.53  |           | 1.25.22  | ND          | 25.20                   | ND                         | -                          |                 | 6600.71        | 6575.43     |
| MW-6         A.19.23         ND         22.03         ND         20.03         6600.71         6507.67         6600.71         6507.65         6601.06         6575.44           10.14.20         ND         25.66         ND         ND         25.65         ND         6601.06         6657.45         6601.06         6575.46           1.27.21         ND         25.67         ND         25.73         ND         6601.06         6575.33         6601.06         6575.45         6601.06         6575.45         6601.06         6575.45         6601.06         6575.45         6601.06         6575.45         6601.06         6575.43         6601.06         6575.43         6601.06         6575.53         6601.06 </td <td></td> <td>1.25.23</td> <td>ND</td> <td>25.13</td> <td>ND</td> <td>-</td> <td></td> <td>6600.71</td> <td>6575.56</td>  |           | 1.25.23  | ND          | 25.13                   | ND                         | -                          |                 | 6600.71        | 6575.56     |
| Intras         ND         25.14         ND         600.71         600.71         6575.44           10.31.23         ND         25.27         ND         6600.71         6575.44           5.28.20         ND         25.61         ND         6601.06         6575.45           8.18.20         ND         25.80         ND         6601.06         6575.26           10.14.20         ND         25.65         ND         6601.06         6575.41           12.7.21         ND         25.60         ND         6601.06         6575.45           7.9.21         ND         25.71         ND         6601.06         6575.35           10.28.21         ND         25.61         ND         6601.06         6575.33           10.28.21         ND         25.67         ND         6601.06         6575.45           5.3.22         ND         25.67         ND         6601.06         6575.33           10.20.22         ND         25.63         ND         6601.06         6575.43           12.52.3         ND         25.41         ND         6601.06         6575.57           4.19.23         ND         25.51         ND         6601.06         6   |           | 4.19.23  | ND          | 25.05                   | ND                         | -                          |                 | 6600.71        | 6575.60     |
| Initial         ND         23.21         ND         0000.11         0000.11         0001.14           5.28.20         ND         25.61         ND         8.18.20         ND         25.80         ND           10.14.20         ND         25.96         ND         6601.06         6575.45           10.14.20         ND         25.65         ND         6601.06         6575.45           1.27.21         ND         25.60         ND         6601.06         6575.46           4.21.21         ND         25.71         ND         6601.06         6575.33           10.28.21         ND         25.73         ND         28.53         6601.06         6575.45           5.3.22         ND         25.67         ND         6601.06         6575.33           10.20.22         ND         25.63         ND         6601.06         6575.43           11.25.23         ND         25.63         ND         6601.06         6575.43           10.20.22         ND         25.63         ND         6601.06         6575.53           10.20.22         ND         25.63         ND         6601.06         6575.53           10.20.23         ND         2   |           | 10.21.22 | ND          | 25.14                   | ND                         | -                          |                 | 6600.71        | 6575.37     |
| MW-6         ND         25.01         ND         25.01         ND           MW-6         8.18.20         ND         25.80         ND         6601.06         6575.26           10.14.20         ND         25.96         ND         6601.06         6575.26           11.27.21         ND         25.65         ND         6601.06         6575.41           4.21.21         ND         25.71         ND         6601.06         6575.35           10.28.21         ND         25.73         ND         6601.06         6575.33           10.28.21         ND         25.53         ND         6601.06         6575.45           5.3.22         ND         25.67         ND         6601.06         6575.33           7.21.22         ND         25.63         ND         6601.06         6575.43           10.20.22         ND         25.63         ND         6601.06         6575.53           10.20.22         ND         25.63         ND         6601.06         6575.57           4.19.23         ND         25.41         ND         6601.06         6575.55           6601.06         6575.55         6601.06         6575.55         6601.06         <   |           | 5 28 20  | ND          | 25.21                   | ND                         | 1                          | 1               | 6601.06        | 6575.44     |
| MW-6         10.14.20         ND         25.96         ND           10.14.20         ND         25.96         ND           1.27.21         ND         25.65         ND           4.21.21         ND         25.60         ND           6601.06         66575.41           6601.06         66575.46           7.9.21         ND         25.71           ND         25.73         ND           10.28.21         ND         25.61           ND         25.53         ND           7.21.22         ND         25.67           ND         25.63         ND           10.20.22         ND         25.63           ND         25.41         ND           4.19.23         ND         25.41           ND         25.41         ND           7.11.23         ND         25.41           ND         25.51         ND           6601.06         6575.55           6601.06         6575.55           6601.06         6575.55           6601.06         6575.55           6601.06         6575.55           6601.06         6575.55           66  |           | 8 18 20  | ND          | 25.80                   | ND                         | -                          |                 | 6601.06        | 6575.26     |
| MW-6         1.27.21         ND         25.65         ND           4.21.21         ND         25.60         ND           7.9.21         ND         25.71         ND           10.28.21         ND         25.73         ND           1.25.22         ND         25.61         ND           6601.06         66575.45           6601.06         66575.35           6601.06         66575.35           6601.06         66575.35           6601.06         66575.33           7.21.22         ND         25.67           ND         25.63         ND           1.25.23         ND         25.41           ND         25.41         ND           4.19.23         ND         25.41           ND         25.51         ND           7.11.23         ND         25.41           ND         25.51         ND           7.11.23         ND         25.51           ND         25.51         ND           6601.06         6575.55           6601.06         6575.55           6601.06         6575.55           6601.06         6575.55  |           | 10 14 20 | ND          | 25.80                   | ND                         | -                          |                 | 6601.06        | 6575.10     |
| MW-6         ND         25.60         ND           4.21.21         ND         25.60         ND           7.9.21         ND         25.71         ND           10.28.21         ND         25.73         ND           1.25.22         ND         25.61         ND           5.3.22         ND         25.67         ND           10.20.22         ND         25.63         ND           10.20.22         ND         25.63         ND           1.25.23         ND         25.41         ND           1.25.23         ND         25.41         ND           1.25.23         ND         25.51         ND           1.25.23         ND         25.41         ND           1.12.3         ND         25.51         ND           7.11.23         ND         25.51         ND  |           | 1 27 21  | ND          | 25.50                   | ND                         | -                          |                 | 6601.06        | 6575.10     |
| MW-6         MD         25.51         ND         28.53         13.53-28.53         6601.06         6575.35           MW-6         1.25.22         ND         25.61         ND         28.53         13.53-28.53         6601.06         6575.35           5.3.22         ND         25.67         ND         28.53         13.53-28.53         6601.06         6575.53           10.20.22         ND         25.67         ND         28.53         13.53-28.53         6601.06         6575.45           10.20.22         ND         25.63         ND         6601.06         6575.53           1.25.23         ND         25.49         ND         6601.06         6575.55           4.19.23         ND         25.51         ND         6601.06         6575.55           7.11.23         ND         25.51         ND         6601.06         6575.55           6601.06         6575.55         6601.06         6575.55         6601.06         6575.55  |           | 4 21 21  | ND          | 25.60                   | ND                         | -                          |                 | 6601.00        | 6575.46     |
| MW-6         ND         25.73         ND         28.53         13.53-28.53         6601.06         6575.33           MW-6         1.25.22         ND         25.61         ND         28.53         13.53-28.53         6601.06         6575.45           5.3.22         ND         25.67         ND         26.61         ND         6601.06         6575.53           7.21.22         ND         25.63         ND         6601.06         6575.53           10.20.22         ND         25.63         ND         6601.06         6575.53           1.25.23         ND         25.41         ND         6601.06         6575.55           6601.06         6575.55         6601.06         6575.55         6601.06         6575.55           7.11.23         ND         25.51         ND         6601.06         6575.55           6601.06         6575.55         6601.06         6575.55         6601.06         6575.55  |           | 7 9 21   | ND          | 25.00                   | ND                         | -                          |                 | 6601.00        | 6575.35     |
| MW-6         1.25.22         ND         25.61         ND         28.53         13.53-28.53         6601.06         6575.45           5.3.22         ND         25.67         ND         6601.06         6575.39           10.20.22         ND         25.63         ND         6601.06         6575.43           1.25.23         ND         25.41         ND         6601.06         6575.53           1.25.23         ND         25.41         ND         6601.06         6575.55           6601.06         6575.55         6601.06         6575.55         6601.06         6575.55           1.12.3         ND         25.51         ND         6601.06         6575.55           7.11.23         ND         25.51         ND         6601.06         6575.55   |           | 10 28 21 | ND          | 25.71                   | ND                         | -                          |                 | 6601.00        | 6575.33     |
| Init of         ND         25.01         ND         ND         0001.00  | MW-6      | 1 25 22  | ND          | 25.61                   | ND                         | 28.53                      | 13 53-28 53     | 6601.06        | 6575.45     |
| TODAL         ND         TODAL         ND         COULD         COULD <thcould< th=""> <thcould< th=""> <thcould< t<="" td=""><td></td><td>5 3 22</td><td>ND</td><td>25.53</td><td>ND</td><td>23.00</td><td>10.00 20.00</td><td>6601.00</td><td>6575 53</td></thcould<></thcould<></thcould<>   |           | 5 3 22   | ND          | 25.53                   | ND                         | 23.00                      | 10.00 20.00     | 6601.00        | 6575 53     |
| 10.20.22         ND         25.63         ND         6601.06         66575.43           1.25.23         ND         25.49         ND         6601.06         6575.57           4.19.23         ND         25.51         ND         6601.06         6575.55           7.11.23         ND         25.51         ND         6601.06         6575.55   |           | 7 21 22  |             | 25.55                   | ND                         | 1                          |                 | 6601.00        | 6575 30     |
| 1.25.23         ND         25.49         ND         6601.06         66575.57           4.19.23         ND         25.41         ND         6601.06         6575.55           7.11.23         ND         25.51         ND         6601.06         6575.55  |           | 10.20.22 |             | 25.63                   | ND                         | 1                          |                 | 6601.00        | 6575 43     |
| A.12.520         ND         22.530         ND         6001.06         60313.37           4.19.23         ND         25.41         ND         6601.06         6575.65           7.11.23         ND         25.51         ND         6601.06         6575.55  |           | 1 25 23  |             | 25.03                   | ND                         | 1                          |                 | 6601.00        | 6575 57     |
| 7.11.23         ND         25.51         ND         6601.06         6575.55   |           | 4 10 23  |             | 25.43                   | ND                         | 1                          |                 | 6601.00        | 6575.65     |
|   |           | 7 11 23  | ND          | 25.51                   | ND                         | 1                          |                 | 6601.00        | 6575 55     |
| 10.31.23 ND 25.62 ND 6601.06 6575.44  |           | 10.31.23 | ND          | 25.62                   | ND                         | 1                          |                 | 6601.06        | 6575.44     |

|            |          |                        | Lateral 2C-15 P<br>GROU | TABLE 2<br>igging Receiver | <sup>.</sup> Sump (8/15/19)<br>ATIONS | J               |                |                           |
|------------|----------|------------------------|-------------------------|----------------------------|---------------------------------------|-----------------|----------------|---------------------------|
| Well I.D.  | Date     | Depth to               | Depth to Water          | Product                    | Total Well                            | Screen Interval | TOC Elevations | Groundwater               |
|            |          | Product<br>(feet BTOC) | (feet BTOC)             | Thickness                  | Depth<br>(feet BTOC)                  | (feet BTOC)     | (feet AMSL)    | Elevation*<br>(feet AMSL) |
|            | 5 00 00  | ND                     | 04.07                   | ND                         |                                       |                 | 0500.00        | 0575.40                   |
|            | 5.28.20  | ND                     | 24.37                   | ND                         |                                       |                 | 6599.83        | 6575.46                   |
|            | 8.18.20  | ND                     | 24.57                   | ND                         |                                       |                 | 6599.83        | 6575.26                   |
|            | 10.14.20 | ND                     | 24.90                   | ND                         |                                       |                 | 6599.83        | 6574.93                   |
|            | 1.27.21  | ND                     | 24.42                   | ND                         |                                       |                 | 6599.83        | 6575.41                   |
|            | 4.21.21  | ND                     | 24.30                   | ND                         | -                                     |                 | 6599.83        | 6575.47                   |
|            | 10.29.21 | ND                     | 24.43                   | ND                         |                                       |                 | 6599.83        | 6575.40                   |
| M\\\/_7    | 1 25 22  | ND                     | 24.49                   | ND                         | 28.04                                 | 13 04-28 04     | 6500.83        | 6575.34                   |
| 1010 0 - 7 | 5 3 22   | ND                     | 24.37                   | ND                         | 20.54                                 | 13.94-20.94     | 6599.83        | 6575.52                   |
|            | 7 21 22  | ND                     | 24.31                   | ND                         |                                       |                 | 6599.83        | 6575.32                   |
|            | 10.20.22 | ND                     | 24.44                   | ND                         |                                       |                 | 6599.83        | 6575.43                   |
|            | 1 25 23  | ND                     | 24.40                   | ND                         |                                       |                 | 6599.83        | 6575.56                   |
|            | 4 19 23  | ND                     | 24.18                   | ND                         |                                       |                 | 6599.83        | 6575.65                   |
|            | 7 11 23  | ND                     | 24.10                   | ND                         |                                       |                 | 6599.83        | 6575.56                   |
|            | 10 31 23 | ND                     | 24.39                   | ND                         |                                       |                 | 6599.83        | 6575 44                   |
|            | 5 28 20  | ND                     | 23.55                   | ND                         |                                       |                 | 6599.02        | 6575.47                   |
|            | 8.18.20  | ND                     | 23.74                   | ND                         |                                       |                 | 6599.02        | 6575.28                   |
|            | 10.14.20 | ND                     | 23.76                   | ND                         |                                       |                 | 6599.02        | 6575.26                   |
|            | 1.27.21  | ND                     | 23.69                   | ND                         |                                       |                 | 6599.02        | 6575.33                   |
|            | 4.21.21  | ND                     | 23.53                   | ND                         |                                       |                 | 6599.02        | 6575.49                   |
|            | 7.9.21   | ND                     | 23.65                   | ND                         |                                       |                 | 6599.02        | 6575.37                   |
|            | 10.28.21 | ND                     | 23.66                   | ND                         |                                       |                 | 6599.02        | 6575.36                   |
| MW-8       | 1.25.22  | ND                     | 23.54                   | ND                         | 29.03                                 | 14.03-29.03     | 6599.02        | 6575.48                   |
|            | 5.3.22   | ND                     | 23.48                   | ND                         |                                       |                 | 6599.02        | 6575.54                   |
|            | 7.21.22  | ND                     | 23.61                   | ND                         |                                       |                 | 6599.02        | 6575.41                   |
|            | 10.20.22 | ND                     | 23.57                   | ND                         |                                       |                 | 6599.02        | 6575.45                   |
|            | 1.25.23  | ND                     | 23.45                   | ND                         |                                       |                 | 6599.02        | 6575.57                   |
|            | 4.19.23  | ND                     | 23.35                   | ND                         |                                       |                 | 6599.02        | 6575.67                   |
|            | 7.11.23  | ND                     | 23.45                   | ND                         |                                       |                 | 6599.02        | 6575.57                   |
|            | 10.31.23 | ND                     | 23.56                   | ND                         |                                       |                 | 6599.02        | 6575.46                   |
|            | 5.28.20  | ND                     | 26.15                   | ND                         |                                       |                 | 6601.63        | 6575.48                   |
|            | 8.18.20  | ND                     | 26.33                   | ND                         |                                       |                 | 6601.63        | 6575.30                   |
|            | 10.14.20 | ND                     | 26.34                   | ND                         |                                       |                 | 6601.63        | 6575.29                   |
|            | 1.27.21  | ND                     | 26.19                   | ND                         |                                       |                 | 6601.63        | 6575.44                   |
|            | 4.21.21  | ND                     | 26.12                   | ND                         |                                       |                 | 6601.63        | 6575.51                   |
|            | 7.9.21   | ND                     | 26.24                   | ND                         |                                       |                 | 6601.63        | 6575.39                   |
|            | 10.28.21 | ND                     | 26.27                   | ND                         |                                       |                 | 6601.63        | 6575.36                   |
| MW-9       | 1.22.22  | ND                     | 26.13                   | ND                         | 31                                    | 16-31           | 6601.63        | 6575.50                   |
|            | 5.3.22   | ND                     | 26.07                   | ND                         |                                       |                 | 6601.63        | 6575.56                   |
|            | 7.21.22  | ND                     | 26.20                   | ND                         |                                       |                 | 6601.63        | 6575.43                   |
|            | 10.20.22 | ND                     | 26.17                   | ND                         |                                       |                 | 6601.63        | 6575.46                   |
|            | 1.25.23  | ND                     | 26.03                   | ND                         |                                       |                 | 6601.63        | 6575.60                   |
|            | 4.19.23  | ND                     | 25.95                   | ND                         |                                       |                 | 6601.63        | 6575.68                   |
|            | 7.11.23  | ND                     | 26.04                   | ND                         |                                       |                 | 6601.63        | 6575.59                   |
|            | 10.31.23 | ND                     | 26.16                   | ND                         |                                       |                 | 6601.63        | 6575.47                   |

|           | TABLE 2           Lateral 2C-15 Pigging Receiver Sump (8/15/19)           GROUNDWATER ELEVATIONS |                     |                |                      |                     |                 |                |                           |  |
|-----------|--|---------------------|----------------|----------------------|---------------------|-----------------|----------------|---------------------------|--|
| Well I.D. | Date   | Depth to<br>Product | Depth to Water | Product<br>Thickness | Total Well<br>Depth | Screen Interval | TOC Elevations | Groundwater<br>Elevation* |  |
|           |  | (feet BTOC)         | (feet BTOC)    |                      | (feet BTOC)         | (feet BTOC)     | (feet AMSL)    | (feet AMSL)               |  |
|           | 10.20.22   | ND                  | 26.30          | ND                   |                     |                 | 6601.72        | 6575.42                   |  |
|           | 1.25.23  | ND                  | 26.16          | ND                   |                     |                 | 6601.72        | 6575.56                   |  |
| MW-10     | 4.19.23  | ND                  | 26.08          | ND                   | 32.84               | 17.84-32.84     | 6601.72        | 6575.64                   |  |
|           | 7.11.23  | ND                  | 26.17          | ND                   |                     |                 | 6601.72        | 6575.55                   |  |
|           | 10.31.23   | ND                  | 26.29          | ND                   |                     |                 | 6601.72        | 6575.43                   |  |
|           | 10.20.22   | ND                  | 27.66          | ND                   |                     |                 | 6603.10        | 6575.44                   |  |
|           | 1.25.23  | ND                  | 27.53          | ND                   |                     |                 | 6603.10        | 6575.57                   |  |
| MW-11     | 4.19.23  | ND                  | 27.45          | ND                   | 32.86               | 17.86-32.86     | 6603.10        | 6575.65                   |  |
|           | 7.11.23  | ND                  | 27.53          | ND                   |                     |                 | 6603.10        | 6575.57                   |  |
|           | 10.31.23   | ND                  | 27.65          | ND                   |                     |                 | 6603.10        | 6575.45                   |  |
|           | 10.20.22   | ND                  | 26.07          | ND                   |                     |                 | 6601.54        | 6575.47                   |  |
|           | 1.25.23  | ND                  | 25.95          | ND                   |                     |                 | 6601.54        | 6575.59                   |  |
| MW-12     | 4.19.23  | ND                  | 25.86          | ND                   | 30                  | 15-30           | 6601.54        | 6575.68                   |  |
|           | 7.11.23  | ND                  | 25.95          | ND                   |                     |                 | 6601.54        | 6575.59                   |  |
|           | 10.31.23   | ND                  | 26.08          | ND                   |                     |                 | 6601.54        | 6575.46                   |  |
|           | 10.20.22   | ND                  | 26.12          | ND                   |                     |                 | 6601.56        | 6575.44                   |  |
|           | 1.25.23  | ND                  | 25.98          | ND                   |                     |                 | 6601.56        | 6575.58                   |  |
| MW-13     | 4.19.23  | ND                  | 25.90          | ND                   | 32.5                | 17.5-32.5       | 6601.56        | 6575.66                   |  |
|           | 7.11.23  | ND                  | 25.99          | ND                   |                     |                 | 6601.56        | 6575.57                   |  |
|           | 10.31.23   | ND                  | 26.11          | ND                   |                     |                 | 6601.56        | 6575.45                   |  |
|           | 10.20.22   | ND                  | 26.05          | ND                   |                     |                 | 6601.50        | 6575.45                   |  |
|           | 1.25.23  | ND                  | 25.91          | ND                   |                     |                 | 6601.50        | 6575.59                   |  |
| MW-14     | 4.19.23  | ND                  | 25.82          | ND                   | 32                  | 17-32           | 6601.50        | 6575.68                   |  |
|           | 7.11.23  | ND                  | 25.93          | ND                   |                     |                 | 6601.50        | 6575.57                   |  |
|           | 10.31.23   | ND                  | 26.04          | ND                   |                     |                 | 6601.50        | 6575.46                   |  |

#### E N S O L U M

Notes:

\* - corrected for presence of phase-sepated hydrocarbon using an estimated product specific gravity of 0.825

Monitoring wells surveyed July 30, 2020

BTOC - below top of casing

AMSL - above mean sea level

TOC - top of casing



## APPENDIX D

# Laboratory Data Sheets & Chain of Custody Documentation

Released to Imaging: 4/2/2024 1:23:18 PM



February 06, 2023

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX: Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

RE: Lateral 2C 15 Sump

OrderNo.: 2301998

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 4 sample(s) on 1/26/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Ander

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

**Analytical Report** Lab Order 2301998

| Hall E   | nvironmental Anal  | ysis Laboratory, Inc. | Date Reported: 2/6/2023                    |
|----------|--------------------|-----------------------|--|
| CLIENT   | : ENSOLUM          |                       | Client Sample ID: MW-8                     |
| Project: | Lateral 2C 15 Sump |                       | Collection Date: 1/25/2023 12:45:00 PM     |
| Lab ID:  | 2301998-001        | Matrix: AQUEOUS       | <b>Received Date:</b> 1/26/2023 7:10:00 AM |
| Lab ID:  | 2301998-001        | Matrix: AQUEOUS       | <b>Received Date:</b> 1/26/2023 7:10:00 AM |

## Data Da

| В  | Analyte detected      |
|----|-----------------------|
| E  | Above Quantitati      |
| J  | Analyte detected      |
| Р  | Sample pH Not I       |
| DI | <b>D</b> 2 <b>L</b> 2 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| в | Analyte detected in the associated Method Blank |
|---|---|
| E | Above Quantitation Range/Estimated Value        |

- below quantitation limits
- In Range
- Reporting Limit RL

Page 1 of 5

- S
- Released to Imaging: 4/2/2024 1:23:18 PM

\*

**Qualifiers:** 

#### PM Μ Result **RL** Qual Units **DF** Date Analyzed Analyses Batch **EPA METHOD 8021B: VOLATILES** Analyst: CCM ND 1/31/2023 5:11:00 PM BW9429 Benzene 1.0 µg/L 1 Toluene ND 1.0 µg/L 1 1/31/2023 5:11:00 PM BW9429 Ethylbenzene ND 1.0 1/31/2023 5:11:00 PM BW9429 µg/L 1 Xylenes, Total ND 2.0 µg/L 1 1/31/2023 5:11:00 PM BW9429 Surr: 4-Bromofluorobenzene 107 %Rec 1/31/2023 5:11:00 PM BW9429 70-130 1

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
  - PQL Practical Quanitative Limit
    - % Recovery outside of standard limits. If undiluted results may be estimated.

Xylenes, Total

Surr: 4-Bromofluorobenzene

**Analytical Report** Lab Order 2301998

1/31/2023 5:30:00 PM

1/31/2023 5:30:00 PM

BW9429

BW9429

| Hall Environmental Analysi  | Date Reported: 2/6/2023                             |          |          |      |                      |        |
|-----------------------------|---|----------|----------|------|----------------------|--------|
| CLIENT: ENSOLUM             |   | Client S | Sample I | D: M | W-7                  |        |
| Project: Lateral 2C 15 Sump | Collection Date: 1/25/2023 1:25:00 PM               |          |          |      |                      |        |
| Lab ID: 2301998-002         | Matrix: AQUEOUS Received Date: 1/26/2023 7:10:00 AM |          |          |      |                      |        |
| Analyses                    | Result  | RL Qua   | d Units  | DF   | <b>Date Analyzed</b> | Batch  |
| EPA METHOD 8021B: VOLATILES |   |          |          |      | Analys               | t: CCM |
| Benzene                     | ND  | 1.0      | µg/L     | 1    | 1/31/2023 5:30:00 PM | BW9429 |
| Toluene                     | ND  | 1.0      | µg/L     | 1    | 1/31/2023 5:30:00 PM | BW9429 |
| Ethylbenzene                | ND  | 1.0      | µg/L     | 1    | 1/31/2023 5:30:00 PM | BW9429 |

ND

100

2.0

70-130

µg/L

%Rec

1

1

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix Н
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Sample pH Not In Range Р Reporting Limit
- RL

Page 2 of 5

Xylenes, Total

Surr: 4-Bromofluorobenzene

**Analytical Report** Lab Order 2301998

| Hall Environmental Analysis | fall Environmental Analysis Laboratory, Inc.        |        |          |             | Date Reported: 2/6/2023 |        |  |  |  |
|-----------------------------|---|--------|----------|-------------|-------------------------|--------|--|--|--|
| CLIENT: ENSOLUM             |   | Client | Sample I | <b>D:</b> M | W-6                     |        |  |  |  |
| Project: Lateral 2C 15 Sump | Collection Date: 1/25/2023 2:00:00 PM               |        |          |             |                         |        |  |  |  |
| Lab ID: 2301998-003         | Matrix: AQUEOUS Received Date: 1/26/2023 7:10:00 AM |        |          |             |                         |        |  |  |  |
| Analyses                    | Result  | RL Qu  | al Units | DF          | Date Analyzed           | Batch  |  |  |  |
| EPA METHOD 8021B: VOLATILES |   |        |          |             | Analys                  | t: CCM |  |  |  |
| Benzene                     | ND  | 1.0    | µg/L     | 1           | 1/31/2023 5:50:00 PM    | BW9429 |  |  |  |
| Toluene                     | ND  | 1.0    | µg/L     | 1           | 1/31/2023 5:50:00 PM    | BW9429 |  |  |  |
| Ethylbenzene                | ND  | 1.0    | µg/L     | 1           | 1/31/2023 5:50:00 PM    | BW9429 |  |  |  |

ND

104

2.0

70-130

µg/L

%Rec

1

1

#### Hall Environmental Analysis Laboratory, Inc.

1/31/2023 5:50:00 PM

1/31/2023 5:50:00 PM

BW9429

BW9429

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix
- D Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value J
- Analyte detected below quantitation limits
- Sample pH Not In Range Р Reporting Limit

RL

Page 3 of 5

\*

Xylenes, Total

Surr: 4-Bromofluorobenzene

**Analytical Report** Lab Order 2301998

1/31/2023 6:10:00 PM

1/31/2023 6:10:00 PM

BW9429

BW9429

| Hall Environmental Analysis | s Laboratory, Inc.                    | Date Reported: 2/6/2023               |           |    |                      |        |  |  |  |  |  |
|-----------------------------|---------------------------------------|---------------------------------------|-----------|----|----------------------|--------|--|--|--|--|--|
| CLIENT: ENSOLUM             | Client Sample ID: MW-2                |                                       |           |    |                      |        |  |  |  |  |  |
| Project: Lateral 2C 15 Sump | Collection Date: 1/25/2023 2:35:00 PM |                                       |           |    |                      |        |  |  |  |  |  |
| Lab ID: 2301998-004         | Matrix: AQUEOUS                       | S Received Date: 1/26/2023 7:10:00 AM |           |    |                      |        |  |  |  |  |  |
| Analyses                    | Result                                | RL Qu                                 | ual Units | DF | Date Analyzed        | Batch  |  |  |  |  |  |
| EPA METHOD 8021B: VOLATILES |                                       |                                       |           |    | Analys               | t: CCM |  |  |  |  |  |
| Benzene                     | ND                                    | 1.0                                   | µg/L      | 1  | 1/31/2023 6:10:00 PM | BW9429 |  |  |  |  |  |
| Toluene                     | ND                                    | 1.0                                   | µg/L      | 1  | 1/31/2023 6:10:00 PM | BW9429 |  |  |  |  |  |
| Ethylbenzene                | ND                                    | 1.0                                   | µg/L      | 1  | 1/31/2023 6:10:00 PM | BW9429 |  |  |  |  |  |

2.7

106

2.0

70-130

µg/L

%Rec

1

1

#### Hall Environmental Analysis Laboratory, Inc.

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value J
- Analyte detected below quantitation limits Sample pH Not In Range Р
- Reporting Limit
- RL

Page 4 of 5

\*

Surr: 4-Bromofluorobenzene

## QC S Hall I

| QC St<br>Hall Er | vironment       | al Analy   | ysis L  | aborato   | ory, Inc.   |                   |           |               |      | WO#:     | 2301998<br>06-Feb-23 |
|------------------|-----------------|------------|---|-----------|-------------|-------------------|-----------|---------------|------|----------|----------------------|
| Client:          | ENSOL           | UM         |   |           |             |                   |           |               |      |          |                      |
| Project:         | Lateral         | 2C 15 Sum  | р   |           |             |                   |           |               |      |          |                      |
| Sample ID:       | mb              | Samp       | Гуре: МЕ  | BLK       | Tes         | tCode: EF         | PA Method | 8021B: Volati | les  |          |                      |
| Client ID:       | PBW             | Batc       | h ID: <b>BV</b>                                     | /94291    | F           | RunNo: 94         |           |               |      |          |                      |
| Prep Date:       |                 | Analysis [ | Date: 1/  | 31/2023   | S           | SeqNo: 34         | 406501    | Units: µg/L   |      |          |                      |
| Analyte          |                 | Result     | PQL   | SPK value | SPK Ref Val | %REC              | LowLimit  | HighLimit     | %RPD | RPDLimit | Qual                 |
| Benzene          |                 | ND         | 1.0   |           |             |                   |           |               |      |          |                      |
| Toluene          |                 | ND         | 1.0   |           |             |                   |           |               |      |          |                      |
| Ethylbenzene     |                 | ND         | 1.0   |           |             |                   |           |               |      |          |                      |
| Xylenes, Total   |                 | ND         | 2.0   |           |             |                   |           |               |      |          |                      |
| Surr: 4-Bron     | nofluorobenzene | 20         |   | 20.00     |             | 102               | 70        | 130           |      |          |                      |
| Sample ID:       | 100ng btex lcs  | Samp       | SampType: LCS TestCode: EPA Method 8021B: Volatiles |           |             |                   |           |               |      |          |                      |
| Client ID:       | LCSW            | Batc       | h ID: <b>BV</b>                                     | /94291    | F           | RunNo: 94         | 4291      |               |      |          |                      |
| Prep Date:       |                 | Analysis [ | Date: 1/  | 31/2023   | S           | SeqNo: 34         | 406502    | Units: µg/L   |      |          |                      |
| Analyte          |                 | Result     | PQL   | SPK value | SPK Ref Val | %REC              | LowLimit  | HighLimit     | %RPD | RPDLimit | Qual                 |
| Benzene          |                 | 19         | 1.0   | 20.00     | 0           | 93.4              | 70        | 130           |      |          |                      |
| Toluene          |                 | 20         | 1.0   | 20.00     | 0           | 97.8              | 70        | 130           |      |          |                      |
| Ethylbenzene     |                 | 20         | 1.0   | 20.00     | 0           | 99.0              | 70        | 130           |      |          |                      |
| Xylenes, Total   |                 | 59         | 2.0   | 60.00     | 0           | 99.0              | 70        | 130           |      |          |                      |
| Surr: 4-Bron     | nofluorobenzene | 21         |   | 20.00     |             | 105               | 70        | 130           |      |          |                      |
| Sample ID:       | 2301998-001ams  | Samp       | Гуре: МS  | ;         | Tes         | tCode: EF         | PA Method | 8021B: Volati | les  |          |                      |
| Client ID:       | MW-8            | Batc       | h ID: BV  | /94291    | F           | RunNo: <b>9</b> 4 | 4291      |               |      |          |                      |
| Prep Date:       |                 | Analysis [ | Date: 1/  | 31/2023   | S           | SeqNo: 34         | 406868    | Units: µg/L   |      |          |                      |
| Analyte          |                 | Result     | PQL   | SPK value | SPK Ref Val | %REC              | LowLimit  | HighLimit     | %RPD | RPDLimit | Qual                 |
| Benzene          |                 | 20         | 1.0   | 20.00     | 0           | 101               | 70        | 130           |      |          |                      |
| Toluene          |                 | 20         | 1.0   | 20.00     | 0           | 99.7              | 70        | 130           |      |          |                      |
| Ethylbenzene     |                 | 20         | 1.0   | 20.00     | 0           | 101               | 70        | 130           |      |          |                      |
| Xylenes, Total   |                 | 62         | 2.0   | 60.00     | 0           | 103               | 70        | 130           |      |          |                      |

| Sample ID: 2301998-001amsd | SampT                    | ype: <b>MS</b> | D         | Tes         |                   |          |             |      |          |      |
|----------------------------|--------------------------|----------------|-----------|-------------|-------------------|----------|-------------|------|----------|------|
| Client ID: MW-8            | Batch                    | n ID: BW       | /94291    | F           | RunNo: <b>9</b> 4 | 4291     |             |      |          |      |
| Prep Date:                 | Analysis Date: 1/31/2023 |                |           | S           | SeqNo: 34         | 406869   | Units: µg/L |      |          |      |
| Analyte                    | Result                   | PQL            | SPK value | SPK Ref Val | %REC              | LowLimit | HighLimit   | %RPD | RPDLimit | Qual |
| Benzene                    | 19                       | 1.0            | 20.00     | 0           | 96.3              | 70       | 130         | 4.99 | 20       |      |
| Toluene                    | 19                       | 1.0            | 20.00     | 0           | 95.0              | 70       | 130         | 4.80 | 20       |      |
| Ethylbenzene               | 19                       | 1.0            | 20.00     | 0           | 96.0              | 70       | 130         | 4.65 | 20       |      |
| Xylenes, Total             | 59                       | 2.0            | 60.00     | 0           | 98.8              | 70       | 130         | 4.26 | 20       |      |
| Surr: 4-Bromofluorobenzene | 22                       |                | 20.00     |             | 109               | 70       | 130         | 0    | 0        |      |

20.00

#### **Qualifiers:**

\* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of standard limits. If undiluted results may be estimated. S

21

107

70

130

Е Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

Р Sample pH Not In Range

Reporting Limit RL

Page 5 of 5

Released to Imaging: 4/2/2024 1:23:18 PM

В Analyte detected in the associated Method Blank

| Client Name:       ENSOLUM       Work Order Number:       2001998       ReptNo: 1         Received By:       Juan Rojas       1/26/2023 7:10:00 AM       Juan Rojas       Juan Rojas         Completed By:       Tracy Caserrubias       1/26/2023 9:56:50 AM       Reviewed By:       WCA       N.2.6 : 2.3'         Chain of Custody complete?       Yes       No       No       Not Present       .         2.       How was the sample delavered?       Counter  | HALL<br>ENVIRONMENTAL<br>ANALYSIS<br>LABORATORY                       | Ĺ                          | Hall Environment<br>A<br>TEL: 505-345-39<br>Website: www. | al Analysis Labo<br>4901 Hawk<br>Ibuquerque, NM<br>75 FAX: 505-34<br>hallenvironmeni | oratory<br>kins NE<br>(87109 <b>San</b><br>5-4107<br>tal.com | nple Log-In C                        | Check List        |
|--|---|----------------------------|---|--|--|--------------------------------------|-------------------|
| Received By:       Juan Rojas       1/26/2023 7:10:00 AM         Completed By:       Tracy Casarrubias       1/26/2023 9:50:50 AM         Reviewed By:       WCA       N 2.6 2.2 3         Chain of Custody       N 2.6 2.2 3         Chain of Custody       No       Not Present         1. Is Chain of Custody       No       No         2. How was the sample delivered?       Courier         Log In       No       NA         3. Was an attempt made to cool the samples?       Yes       No       NA         4. Were all samples received at a temperature of >0° C to 6.0°C       Yes       No       NA         5. Sample(s) in proper container(s)?       Yes       No       NA         6. Sufficient sample volume for indicated test(s)?       Yes       No       NA         7. Are samples (except VOA and ONG) property preserved?       Yes       No       NA         9. Received at least 1 vial with headspace <1/4" for AQ VOA?  | Client Name: ENSOLUM  |                            | Work Order Numb   | er: 2301998  |  | RcptNo                               | : 1               |
| Chain of Custody         1. Is Chain of Custody complete?         Yes       No         No       No         Sample(s) in proper container(s)?       Yes         Yes       No         Are samples (except VOA and ONG) property preserved?       Yes         No       No         It clear any sample containers received broken?   | Received By: Juan Rojas<br>Completed By: Tracy Casar                  | rrubias                    | 1/26/2023 7:10:00 A<br>1/26/2023 9:58:50 A                | M  | (Jon a g   |                                      |                   |
| Chain of Custody         1. Is Chain of Custody complete?       Yes       No       Not Present         2. How was the sample delivered?       Courier         James       Sample seceived at a temperature of >0° C to 6.0°C       Yes       No       NA         4. Were all samples received at a temperature of >0° C to 6.0°C       Yes       No       NA         5. Sample(s) in proper container(s)?       Yes       No       NA         6. Sufficient sample volume for indicated test(s)?       Yes       No       NA         7. Are samples (except VOA and OND) properly preserved?       Yes       No       NA         9. Received at least 1 vial with headspace <1/4° for AQ VOA?  | Reviewed By: KPC  | 1.26.2                     | 3   |  |  |                                      |                   |
| 1. Is Chain of Custody Complete?       Yes       No       No       No       No         2. How was the sample delivered?       Courier         Log In   | Chain of Custody  |                            |   | v 🗂  |  |                                      |                   |
| Log In   | Is Chain of Custody complet     How was the sample deliver            | (e?                        |   | Yes  | NO 💌   |                                      |                   |
| Log In         3. Was an attempt made to cool the samples?       Yes Ø       No       NA         4. Were all samples received at a temperature of >0° C to 6.0°C       Yes Ø       No       NA         5. Sample(s) in proper container(s)?       Yes Ø       No       NA         6. Sufficient sample volume for indicated test(s)?       Yes Ø       No       NA         7. Are samples (except VOA and ONG) properly preserved?       Yes Ø       No       NA         8. Was preservative added to bottles?       Yes Ø       No       NA         9. Received at least 1 vial with headspace <1/4° for AQ VOA?  | Z. How was the sample deliver   | eur                        |   | Courier  |  |                                      |                   |
| 4. Were all samples received at a temperature of >0° C to 6.0°C       Yes       No       NA         5. Sample(s) in proper container(s)?       Yes       No       Na         6. Sufficient sample volume for indicated test(s)?       Yes       No       Na         7. Are samples (except VOA and ONG) properly preserved?       Yes       No       Na         9. Received at least 1 vial with headspace <1/4" for AQ VOA?   | Log In<br>3. Was an attempt made to con                               | ol the samples?            |   | Yes 🗹  | No 🗌   | NA 🗌                                 |                   |
| 5. Sample(s) in proper container(s)?       Yes       No         6. Sufficient sample volume for indicated test(s)?       Yes       No         7. Are samples (except VOA and ONG) properly preserved?       Yes       No         8. Was preservative added to bottles?       Yes       No       NA         9. Received at least 1 vial with headspace <1/4* for AQ VOA?  | 4. Were all samples received a  | t a temperature c          | f >0° C to 6.0°C  | Yes 🗹  | No 🗌   | NA 🗌                                 |                   |
| 6. Sufficient sample volume for indicated test(s)? Yes No   7. Are samples (except VOA and ONG) property preserved? Yes No   8. Was preservative added to bottles? Yes No NA   9. Received at least 1 vial with headspace <1/4" for AQ VOA?  | 5. Sample(s) in proper containe                                       | er(s)?                     |   | Yes 🗹  | No 🗌   |                                      |                   |
| 7. Are samples (except VOA and ONG) properly preserved? Yes No   8. Was preservative added to bottles? Yes No NA   9. Received at least 1 vial with headspace <1/4" for AQ VOA?  | 6. Sufficient sample volume for                                       | indicated test(s)          | ?   | Yes 🗹  | No 🗌   |                                      |                   |
| 8. Was preservative added to bottles? Yes No NA   9. Received at least 1 vial with headspace <1/4" for AQ VOA?   | 7. Are samples (except VOA ar   | d ONG) properly            | preserved?  | Yes 🗹  | No 🗌   |                                      |                   |
| 9. Received at least 1 vial with headspace <1/4" for AQ VOA?   | 8. Was preservative added to b  | ottles?                    |   | Yes 🗌  | No 🔽   | NA 🗌                                 |                   |
| 10. Were any sample containers received broken?       Yes       No              # of preserved             bottles checked             for pH:                   (<2 or >12 unless noted)                   Adjusted?                   (ste discrepancies on chain of custody)                   2. Are matrices correctly identified on Chain of Custody?                   Yes             No                   # of preserved                  bottles checked                   for pH:                         (<2 or >12 unless noted)                         Adjusted?  | 9. Received at least 1 vial with                                      | headspace <1/4"            | for AQ VOA?   | Yes 🗌  | No 🗌   |                                      |                   |
| 11. Does paperwork match bottle labels?       Yes       No       bottles checked for pH:         (Note discrepancies on chain of custody)       Yes       No       Adjusted?         12. Are matrices correctly identified on Chain of Custody?       Yes       No       Adjusted?         13. Is it clear what analyses were requested?       Yes       No       Adjusted?         14. Were all holding times able to be met?       Yes       No       Qnecked by:       126-23         Special Handling (if applicable)       Is clear what analyses were requested?       Yes       No       No       Qnecked by:       126-23         Special Handling (if applicable)       Is clear what for authorization.)       Special Handling (if applicable)       Is clear what match bottle is checked by:       Is clear what match bottle is checked by:       Is clear bottle is checked by:       I | 10. Were any sample containers  | received broken            | ?   | Yes 📙  | No 🗹   | # of preserved                       | /                 |
| 12. Are matrices correctly identified on Chain of Custody? Yes No Adjusted?   13. Is it clear what analyses were requested? Yes No Adjusted?   14. Were all holding times able to be met? Yes No Onecked by: 126-23   14. Were all holding times able to be met? Yes No Onecked by: 126-23   Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes No No Na Person Notified: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No Seal Date Signed By 1 0.3 Good Yes Yes Yes No No Na Person Na Person Na Person No Na Person Na Person No Na Person No Na Person No Na Person Person Na Person Na Person Person Person Na Person Person Na Person </td <td>11.Does paperwork match bottle<br/>(Note discrepancies on chair</td> <td>e labels?<br/>I of custody)</td> <td></td> <td>Yes 🗹</td> <td>No 🗀</td> <td>bottles checked<br/>for pH:<br/>(&lt;2 oj</td> <td>&gt;12 unless noted)</td>  | 11.Does paperwork match bottle<br>(Note discrepancies on chair        | e labels?<br>I of custody) |   | Yes 🗹  | No 🗀   | bottles checked<br>for pH:<br>(<2 oj | >12 unless noted) |
| 13. Is it clear what analyses were requested?       Yes       No       Onecked by:       126-23         14. Were all holding times able to be met?       Yes       No       Onecked by:       126-23         14. Were all holding times able to be met?       Yes       No       Onecked by:       126-23         Special Handling (if applicable)       15. Was client notified of all discrepancies with this order?       Yes       No       NA       Image: Client Instructions:         15. Was client Instructions:       Date:       Date:       Image: Client Instructions:       Image: Client Instructions:         16. Additional remarks:       17. Cooler Information       Cooler No       Temp °C       Condition       Seal Intact       Seal No       Seal Date       Signed By         1       0.3       Good       Yes       Image: Client Signed By       Image: Signed By       Image: Signed By  | 12. Are matrices correctly identif                                    | ied on Chain of C          | ustody?   | Yes 🗹  | No 🗌   | Adjusted?                            | _                 |
| 14. Were all holding times able to be met?<br>(If no, notify customer for authorization.)       Yes       No       Checked by:       ////////////////////////////////////  | 13. Is it clear what analyses were                                    | e requested?               |   | Yes 🗹  | No 🗌   |                                      | 11                |
| Special Handling (if applicable)         15. Was client notified of all discrepancies with this order?       Yes       No       NA         Person Notified:       Date:       D  | 14. Were all holding times able to<br>(If no. notify customer for aut | o be met?<br>horization.)  |   | Yes 🗹  | No 🗌   | Qhecked by:                          | 1-26-23           |
| Special Handming (If applicable)         15. Was client notified of all discrepancies with this order?       Yes       No       NA         Person Notified:       Date:  | Special Handling (if appli  | looblo)                    |   |  |  | U                                    |                   |
| Person Notified:       Date:         By Whom:       Via:         Regarding:         Client Instructions:   | 15 Was client notified of all disc                                    | <u>capie</u>               | is order?   | Vec 🗌  |  |                                      |                   |
| Person Notified:       Date:         By Whom:       Via:         By Whom:       Via:         Regarding:       Client Instructions:         Client Instructions:       1         16. Additional remarks:         17. Cooler Information         Cooler No       Temp °C         Condition       Seal Intact       Seal No         Seal Date       Signed By   | Descent House of an disc  |                            |   |  |  |                                      | T                 |
| By Whom:       Regarding:         Client Instructions:         16. Additional remarks:         17. Cooler Information         Cooler No       Temp °C         Condition       Seal Intact         Seal No       Seal Date         Signed By         1       0.3         Good       Yes   | Person Notified:  |                            | Date:   |  | Bhono 🗌 Eav  |                                      |                   |
| Client Instructions:         16. Additional remarks:         17. Cooler Information         Cooler No       Temp °C         Condition       Seal Intact         Seal Date       Signed By         1       0.3         Good       Yes   | Regarding:  |                            | via.  |  |  |                                      |                   |
| 16. Additional remarks:<br>17. <u>Cooler Information</u><br><u>Cooler No</u> Temp °C Condition Seal Intact Seal No Seal Date Signed By<br>1 0.3 Good Yes   | Client Instructions:  |                            |   |  | na na anna anna anna ana anna                                |                                      |                   |
| Cooler Information         Cooler No       Temp °C       Condition       Seal Intact       Seal No       Seal Date       Signed By         1       0.3       Good       Yes       Yes       Yes       Yes  | 16. Additional remarks:   |                            |   |  |  |                                      |                   |
| Cooler No     Temp °C     Condition     Seal Intact     Seal No     Seal Date     Signed By       1     0.3     Good     Yes     Image: Signed By     Signed By  | 17. Cooler Information  |                            |   |  |  |                                      |                   |
| 1 0.3 Good Yes   | Cooler No Temp °C   | Condition Sea              | al Intact Seal No   | Seal Date  | Signed By  |                                      |                   |
|  | 1 0.3 0   | Good Yes                   |   |  |  |                                      |                   |

Page 58 of 138

| MW         |
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|                          | HALL ENVIRONMENTAL | ANALYSIS LABORATORY   | www.hallenvironmental.com | 4901 Hawkins NE - Albuquerque, NM 87109   | Tel 505-345-3975 Fax 505-345-4107 | Analysis Request | 1)<br>(0)                            | MR<br>MS<br>MS<br>MS<br>MS<br>MS<br>MS<br>MS<br>MS<br>MS<br>MS<br>MS<br>MS<br>MS |                                       |                                | 05<br>8/2%<br>06<br>10<br>8<br>1, %<br>8<br>7<br>1, %<br>1, %<br>1, %<br>1, %<br>1, %<br>1, %<br>1, %<br>1, % | 85<br>(GF<br>310<br>(10<br>310<br>(10<br>310<br>(10<br>(10<br>(10)<br>(10)<br>(10)<br>(10)<br>(10)<br>(10) | HT<br>35<br>15<br>15<br>15<br>15<br>15<br>15<br>15<br>15<br>15<br>1 | EX /<br>H:80<br>B (M<br>Hs b<br>RA E<br>B (M<br>V) (S<br>V) (S<br>V) (S<br>V) (S<br>V) (S | BT PA<br>808<br>826<br>827<br>60,<br>704<br>826<br>827<br>826<br>827 |                       |                    |                      |                       |   |  |  |  | Remarks:                      | Bill to Enjolum   |
|--------------------------|--------------------|-----------------------|---------------------------|---|-----------------------------------|------------------|--------------------------------------|--|---------------------------------------|--------------------------------|---|--|---|---|--|-----------------------|--------------------|----------------------|-----------------------|---|--|--|--|-------------------------------|---|
| Turn-Around Time:        |                    | 🕅 Standard 🗆 Rush     | Project Name:             | Lateral ZC-IS Sump                        | Project #:                        | 0581226105       | Project Manager:                     | ( )  | K. Sumers                             | Sampler: L. Duiell             | On Ice: Eres DNo 1261   | # of Coolers: 1  | Cooler Temp(Including CF): 0,3 0=0.5 (°C)                           | Container Preservative HEAL No.   | Type and # Type 230,998  | 13×4000 (1,001) (001) | 200 6              | 003                  | to tot                | 2 |  |  |  | Received by: Via: Date Time F | Received by: Via: Date Time                                 |
| Chain_of_Chietody Docord | Climt.             | CIRENT. Ensolury, LLC |                           | Mailing Address: 606 S. Riv Grand Suite A | 0110 111 27410                    | Phone #:         | email or Fax#: Kzumers Clensolum con | QA/QC Package:   | Standard    Level 4 (Full Validation) | Accreditation: 🛛 Az Compliance | D NELAC D Other   | EDD (Type)   |   |   | Date Time Matrix Sample Name   | 1/2/23 12:45 WW-8     | Listiz Izzz w MW-7 | 0 - MM ~ 0 001/12/12 | 1/25/21 14:35 WW - 7- |   |  |  |  | Date: Time: Relinquished by   | Date: Time: Relined by:<br>1/5/03 18/1 P. M. W. W. W. W. W. |

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•



February 03, 2023

**Kyle Summers ENSOLUM** 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX:

OrderNo.: 2301A57

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Kyle Summers:

RE: Lateral 2C15 Sump

Hall Environmental Analysis Laboratory received 9 sample(s) on 1/27/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

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Lab Order 2301A57

Date Reported: 2/3/2023

| CLIENT: ENSOLUM                   |                 | Client Sample ID: MW-10                |            |    |                      |         |  |  |  |  |  |  |  |
|-----------------------------------|-----------------|--|------------|----|----------------------|---------|--|--|--|--|--|--|--|
| <b>Project:</b> Lateral 2C15 Sump |                 | Collection Date: 1/26/2023 10:40:00 AM |            |    |                      |         |  |  |  |  |  |  |  |
| Lab ID: 2301A57-001               | Matrix: AQUEOUS | Received Date: 1/27/2023 6:30:00 AM    |            |    |                      |         |  |  |  |  |  |  |  |
| Analyses                          | Result          | RL                                     | Qual Units | DF | Date Analyzed        | Batch   |  |  |  |  |  |  |  |
| EPA METHOD 8260: VOLATIL          | ES SHORT LIST   |  |            |    | Analyst              | : JR    |  |  |  |  |  |  |  |
| Benzene                           | ND              | 1.0                                    | µg/L       | 1  | 1/31/2023 7:52:45 PM | SL94317 |  |  |  |  |  |  |  |
| Toluene                           | ND              | 1.0                                    | μg/L       | 1  | 1/31/2023 7:52:45 PM | SL94317 |  |  |  |  |  |  |  |
| Ethylbenzene                      | ND              | 1.0                                    | μg/L       | 1  | 1/31/2023 7:52:45 PM | SL94317 |  |  |  |  |  |  |  |
| Xylenes, Total                    | ND              | 1.5                                    | μg/L       | 1  | 1/31/2023 7:52:45 PM | SL94317 |  |  |  |  |  |  |  |
| Surr: 1,2-Dichloroethane-d4       | 108 7           | 0-130                                  | %Rec       | 1  | 1/31/2023 7:52:45 PM | SL94317 |  |  |  |  |  |  |  |
| Surr: Dibromofluoromethane        | 103 7           | 0-130                                  | %Rec       | 1  | 1/31/2023 7:52:45 PM | SL94317 |  |  |  |  |  |  |  |
| Surr: Toluene-d8                  | 106 7           | 0-130                                  | %Rec       | 1  | 1/31/2023 7:52:45 PM | SL94317 |  |  |  |  |  |  |  |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- ND PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- RL Reporting Limit

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| Hall | <b>Environmental</b> | Analysis | Laboratory, | Inc. |
|------|----------------------|----------|-------------|------|
|      |                      | •/       |             |      |

Lab Order 2301A57

Date Reported: 2/3/2023

| <b>CLIENT:</b> ENSOLUM      |                 | Client Sample ID: MW-4                     |            |    |                      |         |  |  |  |  |  |  |  |
|-----------------------------|-----------------|--|------------|----|----------------------|---------|--|--|--|--|--|--|--|
| Project: Lateral 2C15 Sump  |                 | Collection Date: 1/26/2023 11:20:00 AM     |            |    |                      |         |  |  |  |  |  |  |  |
| Lab ID: 2301A57-002         | Matrix: AQUEOUS | <b>Received Date:</b> 1/27/2023 6:30:00 AM |            |    |                      |         |  |  |  |  |  |  |  |
| Analyses                    | Result          | RL   | Qual Units | DF | Date Analyzed        | Batch   |  |  |  |  |  |  |  |
| EPA METHOD 8260: VOLATI     | LES SHORT LIST  |  |            |    | Analyst              | : JR    |  |  |  |  |  |  |  |
| Benzene                     | ND              | 1.0  | µg/L       | 1  | 1/31/2023 9:14:12 PM | SL94317 |  |  |  |  |  |  |  |
| Toluene                     | ND              | 1.0  | µg/L       | 1  | 1/31/2023 9:14:12 PM | SL94317 |  |  |  |  |  |  |  |
| Ethylbenzene                | ND              | 1.0  | µg/L       | 1  | 1/31/2023 9:14:12 PM | SL94317 |  |  |  |  |  |  |  |
| Xylenes, Total              | ND              | 1.5  | µg/L       | 1  | 1/31/2023 9:14:12 PM | SL94317 |  |  |  |  |  |  |  |
| Surr: 1,2-Dichloroethane-d4 | 130 7           | 0-130                                      | %Rec       | 1  | 1/31/2023 9:14:12 PM | SL94317 |  |  |  |  |  |  |  |
| Surr: Dibromofluoromethane  | 98.6 7          | 0-130                                      | %Rec       | 1  | 1/31/2023 9:14:12 PM | SL94317 |  |  |  |  |  |  |  |
| Surr: Toluene-d8            | 106 7           | 0-130                                      | %Rec       | 1  | 1/31/2023 9:14:12 PM | SL94317 |  |  |  |  |  |  |  |

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- J Analyte detected below quantitation limits
- Р Sample pH Not In Range RL Reporting Limit

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Lab Order 2301A57

Date Reported: 2/3/2023

| CLIENT:ENSOLUMProject:Lateral 2C15 SumpLab ID:2301A57-003 | Client Sample ID: MW-11<br>Collection Date: 1/26/2023 11:50:00 AM<br>Matrix: AQUEOUS Received Date: 1/27/2023 6:30:00 AM |        |      |       |    |                      |         |
|---|--|--------|------|-------|----|----------------------|---------|
| Analyses  | Result   | RL     | Qual | Units | DF | Date Analyzed        | Batch   |
| EPA METHOD 8260: VOLATILES SHO                            | RTLIST   |        |      |       |    | Analyst              | : JR    |
| Benzene   | ND   | 2.0    | D    | µg/L  | 2  | 1/31/2023 9:41:20 PM | SL94317 |
| Toluene   | ND   | 2.0    | D    | μg/L  | 2  | 1/31/2023 9:41:20 PM | SL94317 |
| Ethylbenzene  | ND   | 2.0    | D    | µg/L  | 2  | 1/31/2023 9:41:20 PM | SL94317 |
| Xylenes, Total  | ND   | 3.0    | D    | µg/L  | 2  | 1/31/2023 9:41:20 PM | SL94317 |
| Surr: 1,2-Dichloroethane-d4                               | 105  | 70-130 | D    | %Rec  | 2  | 1/31/2023 9:41:20 PM | SL94317 |
| Surr: Dibromofluoromethane                                | 104  | 70-130 | D    | %Rec  | 2  | 1/31/2023 9:41:20 PM | SL94317 |
| Surr: Toluene-d8  | 101  | 70-130 | D    | %Rec  | 2  | 1/31/2023 9:41:20 PM | SL94317 |

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- J Analyte detected below quantitation limits Р Sample pH Not In Range
- RL Reporting Limit

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Lab Order 2301A57

Date Reported: 2/3/2023

| CLIENT: ENSOLUM Client Sample ID: MW-12 |                 |   |                |              |                       |         |  |
|---|-----------------|---|----------------|--------------|-----------------------|---------|--|
| <b>Project:</b> Lateral 2C15 Sump       |                 | (   | Collection Dat | <b>e:</b> 1/ | 26/2023 12:20:00 PM   |         |  |
| Lab ID: 2301A57-004                     | Matrix: AQUEOUS | Matrix: AQUEOUS Received Date: 1/27/2023 6:30:00 AM |                |              |                       |         |  |
| Analyses                                | Result          | RL  | Qual Units     | DF           | <b>Date Analyzed</b>  | Batch   |  |
| EPA METHOD 8260: VOLATILE               | S SHORT LIST    |   |                |              | Analyst               | : JR    |  |
| Benzene                                 | ND              | 1.0   | µg/L           | 1            | 1/31/2023 10:08:26 PM | SL94317 |  |
| Toluene                                 | ND              | 1.0   | µg/L           | 1            | 1/31/2023 10:08:26 PM | SL94317 |  |
| Ethylbenzene                            | ND              | 1.0   | μg/L           | 1            | 1/31/2023 10:08:26 PM | SL94317 |  |
| Xylenes, Total                          | ND              | 1.5   | μg/L           | 1            | 1/31/2023 10:08:26 PM | SL94317 |  |
| Surr: 1,2-Dichloroethane-d4             | 103 7           | 0-130   | %Rec           | 1            | 1/31/2023 10:08:26 PM | SL94317 |  |
| Surr: Dibromofluoromethane              | 97.9 7          | 0-130   | %Rec           | 1            | 1/31/2023 10:08:26 PM | SL94317 |  |
| Surr: Toluene-d8                        | 101 7           | 0-130   | %Rec           | 1            | 1/31/2023 10:08:26 PM | SL94317 |  |

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- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р RL Reporting Limit

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| Hall | Environment | al Analys | is Laborato | ry, Inc. |
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Lab Order 2301A57

| Date | Reported: | 2/3/2023 |
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| CLIENT: ENSOLUM              | Client Sample ID: MW-14 |   |         |         |       |                       |         |
|------------------------------|-------------------------|---|---------|---------|-------|-----------------------|---------|
| Project: Lateral 2C15 Sump   |                         | (   | Collect | ion Dat | e: 1/ | 26/2023 1:15:00 PM    |         |
| Lab ID: 2301A57-005          | Matrix: AQUEOUS         | Matrix: AQUEOUS Received Date: 1/27/2023 6:30:00 AM |         |         |       |                       |         |
| Analyses                     | Result                  | RL  | Qual    | Units   | DF    | Date Analyzed         | Batch   |
| EPA METHOD 8260: VOLATILES S | HORT LIST               |   |         |         |       | Analyst               | : JR    |
| Benzene                      | ND                      | 2.0   | D       | µg/L    | 2     | 1/31/2023 10:35:32 PM | SL94317 |
| Toluene                      | ND                      | 2.0   | D       | µg/L    | 2     | 1/31/2023 10:35:32 PM | SL94317 |
| Ethylbenzene                 | ND                      | 2.0   | D       | µg/L    | 2     | 1/31/2023 10:35:32 PM | SL94317 |
| Xylenes, Total               | ND                      | 3.0   | D       | µg/L    | 2     | 1/31/2023 10:35:32 PM | SL94317 |
| Surr: 1,2-Dichloroethane-d4  | 113 7                   | 70-130  | D       | %Rec    | 2     | 1/31/2023 10:35:32 PM | SL94317 |
| Surr: Dibromofluoromethane   | 107 7                   | 70-130  | D       | %Rec    | 2     | 1/31/2023 10:35:32 PM | SL94317 |
| Surr: Toluene-d8             | 101 7                   | 70-130  | D       | %Rec    | 2     | 1/31/2023 10:35:32 PM | SL94317 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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Surr: 1,2-Dichloroethane-d4

Surr: Dibromofluoromethane

Surr: Toluene-d8

**Analytical Report** 

| Hall Environ | mental An | alysis L | aboratory, | Inc. |
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Lab Order 2301A57

10 1/31/2023 11:29:40 PM SL94317

10 1/31/2023 11:29:40 PM SL94317

10 1/31/2023 11:29:40 PM SL94317

| Hall Environmental Analysis Laboratory, Inc. |                         |                 |     |         |         |        | Date Reported: 2/3/202 | 23            |
|--|-------------------------|-----------------|-----|---------|---------|--------|------------------------|---------------|
| CLIENT:                                      | ENSOLUM                 |                 | Cli | ient Sa | mple I  | D: M   | W-13                   |               |
| Project:                                     | Lateral 2C15 Sump       |                 | (   | Collect | ion Dat | e: 1/2 | 26/2023 1:50:00 PM     |               |
| Lab ID:                                      | 2301A57-006             | Matrix: AQUEOUS |     | Recei   | ved Dat | e: 1/2 | 27/2023 6:30:00 AM     |               |
| Analyses                                     |                         | Result          | RL  | Qual    | Units   | DF     | Date Analyzed          | Batch         |
| EPA MET                                      | THOD 8260: VOLATILES SI | IORT LIST       |     |         |         |        | Analys                 | st: <b>JR</b> |
| Benzene                                      |                         | ND              | 5.0 | D       | µg/L    | 10     | 1/31/2023 11:29:40 PM  | 1 SL94317     |
| Toluene                                      |                         | 180             | 10  | D       | µg/L    | 10     | 1/31/2023 11:29:40 PM  | 1 SL94317     |
| Ethylben                                     | zene                    | 180             | 10  | D       | µg/L    | 10     | 1/31/2023 11:29:40 PM  | 1 SL94317     |
| Xylenes,                                     | Total                   | 2100            | 15  | D       | µg/L    | 10     | 1/31/2023 11:29:40 PM  | 1 SL94317     |

112

85.9

108

70-130

70-130

70-130

D

D

D

%Rec

%Rec

%Rec

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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- Р Reporting Limit

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Lab Order 2301A57

Date Reported: 2/3/2023

| CLIENT: ENSOLUM              |                 | Cl  | ient Sample II | <b>D:</b> M | IW-5                  |         |  |
|------------------------------|-----------------|---|----------------|-------------|-----------------------|---------|--|
| Project: Lateral 2C15 Sump   |                 | <b>Collection Date:</b> 1/26/2023 2:30:00 PM        |                |             |                       |         |  |
| Lab ID: 2301A57-007          | Matrix: AQUEOUS | Matrix: AQUEOUS Received Date: 1/27/2023 6:30:00 AM |                |             |                       |         |  |
| Analyses                     | Result          | RL  | Qual Units     | DF          | <b>Date Analyzed</b>  | Batch   |  |
| EPA METHOD 8260: VOLATILES S | HORT LIST       |   |                |             | Analyst               | : JR    |  |
| Benzene                      | 1.7             | 1.0   | µg/L           | 1           | 1/31/2023 11:56:41 PM | SL94317 |  |
| Toluene                      | ND              | 1.0   | µg/L           | 1           | 1/31/2023 11:56:41 PM | SL94317 |  |
| Ethylbenzene                 | 1.5             | 1.0   | μg/L           | 1           | 1/31/2023 11:56:41 PM | SL94317 |  |
| Xylenes, Total               | 4.4             | 1.5   | µg/L           | 1           | 1/31/2023 11:56:41 PM | SL94317 |  |
| Surr: 1,2-Dichloroethane-d4  | 119 7           | 70-130  | %Rec           | 1           | 1/31/2023 11:56:41 PM | SL94317 |  |
| Surr: Dibromofluoromethane   | 94.8 7          | 0-130   | %Rec           | 1           | 1/31/2023 11:56:41 PM | SL94317 |  |
| Surr: Toluene-d8             | 108 7           | 70-130  | %Rec           | 1           | 1/31/2023 11:56:41 PM | SL94317 |  |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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| Hall | Environme | ental Ar | nalysis L | Laboratory | , Inc. |
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|      |           |          | • • •     |            | ,      |

Lab Order 2301A57

Date Reported: 2/3/2023

| CLIENT: ENSOLUM              |                 | Client Sample ID: MW-3                       |              |                 |                      |         |  |  |  |  |  |
|------------------------------|-----------------|--|--------------|-----------------|----------------------|---------|--|--|--|--|--|
| Project: Lateral 2C15 Sump   |                 | <b>Collection Date:</b> 1/26/2023 3:00:00 PM |              |                 |                      |         |  |  |  |  |  |
| Lab ID: 2301A57-008          | Matrix: AQUEOUS |  | Received Dat | t <b>e:</b> 1/2 | 27/2023 6:30:00 AM   |         |  |  |  |  |  |
| Analyses                     | Result          | RL   | Qual Units   | DF              | Date Analyzed        | Batch   |  |  |  |  |  |
| EPA METHOD 8260: VOLATILES S | HORT LIST       |  |              |                 | Analyst              | : JR    |  |  |  |  |  |
| Benzene                      | 48              | 1.0  | µg/L         | 1               | 2/1/2023 12:23:39 AM | SL94317 |  |  |  |  |  |
| Toluene                      | ND              | 1.0  | µg/L         | 1               | 2/1/2023 12:23:39 AM | SL94317 |  |  |  |  |  |
| Ethylbenzene                 | 11              | 1.0  | µg/L         | 1               | 2/1/2023 12:23:39 AM | SL94317 |  |  |  |  |  |
| Xylenes, Total               | ND              | 1.5  | µg/L         | 1               | 2/1/2023 12:23:39 AM | SL94317 |  |  |  |  |  |
| Surr: 1,2-Dichloroethane-d4  | 114 7           | 70-130                                       | %Rec         | 1               | 2/1/2023 12:23:39 AM | SL94317 |  |  |  |  |  |
| Surr: Dibromofluoromethane   | 100 7           | 70-130                                       | %Rec         | 1               | 2/1/2023 12:23:39 AM | SL94317 |  |  |  |  |  |
| Surr: Toluene-d8             | 108 7           | 70-130                                       | %Rec         | 1               | 2/1/2023 12:23:39 AM | SL94317 |  |  |  |  |  |

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Lab Order 2301A57

|  | Date Reported | d: 2/3/2023 |
|--|---------------|-------------|
|--|---------------|-------------|

| CLIENT: ENSOLUM              |                 | Client Sample ID: MW-9                              |            |                          |         |  |  |  |  |  |  |
|------------------------------|-----------------|---|------------|--------------------------|---------|--|--|--|--|--|--|
| Project: Lateral 2C15 Sump   |                 | Collection Date: 1/26/2023 3:30:00 PM               |            |                          |         |  |  |  |  |  |  |
| Lab ID: 2301A57-009          | Matrix: AQUEOUS | Matrix: AQUEOUS Received Date: 1/27/2023 6:30:00 AM |            |                          |         |  |  |  |  |  |  |
| Analyses                     | Result          | RL  | Qual Units | DF Date Analyzed         | Batch   |  |  |  |  |  |  |
| EPA METHOD 8260: VOLATILES S | HORT LIST       |   |            | Analyst                  | JR      |  |  |  |  |  |  |
| Benzene                      | 2000            | 100   | µg/L       | 100 2/1/2023 11:10:49 AM | SL94339 |  |  |  |  |  |  |
| Toluene                      | 1800            | 100   | µg/L       | 100 2/1/2023 11:10:49 AM | SL94339 |  |  |  |  |  |  |
| Ethylbenzene                 | 210             | 100   | µg/L       | 100 2/1/2023 11:10:49 AM | SL94339 |  |  |  |  |  |  |
| Xylenes, Total               | 1500            | 150   | µg/L       | 100 2/1/2023 11:10:49 AM | SL94339 |  |  |  |  |  |  |
| Surr: 1,2-Dichloroethane-d4  | 91.5 7          | 70-130  | %Rec       | 100 2/1/2023 11:10:49 AM | SL94339 |  |  |  |  |  |  |
| Surr: Dibromofluoromethane   | 101 7           | 70-130  | %Rec       | 100 2/1/2023 11:10:49 AM | SL94339 |  |  |  |  |  |  |
| Surr: Toluene-d8             | 103 7           | 0-130   | %Rec       | 100 2/1/2023 11:10:49 AM | SL94339 |  |  |  |  |  |  |

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## QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| WO#: | 2301A57   |
|------|-----------|
|      | 03-Feb-23 |

| Client: ENSOL               | UM         |                 |           |             |                   |           |                |            |          |      |
|-----------------------------|------------|-----------------|-----------|-------------|-------------------|-----------|----------------|------------|----------|------|
| Project: Lateral 2          |            | -               |           |             |                   |           |                |            |          |      |
| Sample ID: 100ng Ics        | Samp       | Type: LC        | S         | Tes         | stCode: EF        | PA Method | 8260: Volatile | s Short Li | st       |      |
| Client ID: LCSW             | Batc       | h ID: <b>SL</b> | 94317     | F           | RunNo: 94         | 4317      |                |            |          |      |
| Prep Date:                  | Analysis [ | Date: 1/3       | 31/2023   | :           | SeqNo: 34         | 406742    | Units: µg/L    |            |          |      |
| Analyte                     | Result     | PQL             | SPK value | SPK Ref Val | %REC              | LowLimit  | HighLimit      | %RPD       | RPDLimit | Qual |
| Benzene                     | 19         | 1.0             | 20.00     | 0           | 93.6              | 70        | 130            |            |          |      |
| Toluene                     | 20         | 1.0             | 20.00     | 0           | 101               | 70        | 130            |            |          |      |
| Surr: 1,2-Dichloroethane-d4 | 9.5        |                 | 10.00     |             | 94.9              | 70        | 130            |            |          |      |
| Surr: 4-Bromofluorobenzene  | 10         |                 | 10.00     |             | 102               | 70        | 130            |            |          |      |
| Surr: Dibromofluoromethane  | 10         |                 | 10.00     |             | 103               | 70        | 130            |            |          |      |
| Surr: Toluene-d8            | 9.8        |                 | 10.00     |             | 97.7              | 70        | 130            |            |          |      |
| Sample ID: mb               | Samp       | Гуре: <b>МЕ</b> | BLK       | Tes         | stCode: EF        | PA Method | 8260: Volatile | s Short Li | st       |      |
| Client ID: PBW              | Batc       | h ID: <b>SL</b> | 94317     | F           | RunNo: 94         | 4317      |                |            |          |      |
| Prep Date:                  | Analysis [ | Date: 1/:       | 31/2023   | :           | SeqNo: 34         | 406745    | Units: µg/L    |            |          |      |
| Analyte                     | Result     | PQL             | SPK value | SPK Ref Val | %REC              | LowLimit  | HighLimit      | %RPD       | RPDLimit | Qual |
| Benzene                     | ND         | 1.0             |           |             |                   |           |                |            |          |      |
| Toluene                     | ND         | 1.0             |           |             |                   |           |                |            |          |      |
| Ethylbenzene                | ND         | 1.0             |           |             |                   |           |                |            |          |      |
| Xylenes, Total              | ND         | 1.5             |           |             |                   |           |                |            |          |      |
| Surr: 1,2-Dichloroethane-d4 | 10         |                 | 10.00     |             | 103               | 70        | 130            |            |          |      |
| Surr: 4-Bromofluorobenzene  | 10         |                 | 10.00     |             | 100               | 70        | 130            |            |          |      |
| Surr: Dibromofluoromethane  | 10         |                 | 10.00     |             | 103               | 70        | 130            |            |          |      |
| Surr: Toluene-d8            | 10         |                 | 10.00     |             | 101               | 70        | 130            |            |          |      |
| Sample ID: 2301a57-001a ms  | Samp       | Гуре: <b>МS</b> | 5         | Tes         | tCode: EF         | PA Method | 8260: Volatile | s Short Li | st       |      |
| Client ID: MW-10            | Batc       | h ID: SL        | 94317     | F           | RunNo: <b>9</b> 4 | 4317      |                |            |          |      |
| Prep Date:                  | Analysis [ | Date: 1/:       | 31/2023   | :           | SeqNo: 34         | 406824    | Units: µg/L    |            |          |      |
| Analyte                     | Result     | PQL             | SPK value | SPK Ref Val | %REC              | LowLimit  | HighLimit      | %RPD       | RPDLimit | Qual |
| Benzene                     | 21         | 1.0             | 20.00     | 0           | 103               | 70        | 130            |            |          |      |
| Toluene                     | 21         | 1.0             | 20.00     | 0           | 104               | 70        | 130            |            |          |      |
| Surr: 1,2-Dichloroethane-d4 | 8.9        |                 | 10.00     |             | 89.3              | 70        | 130            |            |          |      |
| Surr: 4-Bromofluorobenzene  | 9.7        |                 | 10.00     |             | 97.2              | 70        | 130            |            |          |      |
| Surr: Dibromofluoromethane  | 10         |                 | 10.00     |             | 105               | 70        | 130            |            |          |      |
| Surr: Toluene-d8            | 9.7        |                 | 10.00     |             | 96.7              | 70        | 130            |            |          |      |
| Sample ID: 2301a57-001a ms  | d Samp     | Гуре: <b>МS</b> | D         | Tes         | stCode: EF        | PA Method | 8260: Volatile | s Short Li | st       |      |
| Client ID: MW-10            | Batc       | h ID: SL        | 94317     | F           | RunNo: <b>9</b> 4 | 4317      |                |            |          |      |
| Prep Date:                  | Analysis [ | Date: 1/3       | 31/2023   | :           | SeqNo: 34         | 406825    | Units: µg/L    |            |          |      |
| Analyte                     | Result     | PQL             | SPK value | SPK Ref Val | %REC              | LowLimit  | HighLimit      | %RPD       | RPDLimit | Qual |
| Benzene                     | 19         | 1.0             | 20.00     | 0           | 95.6              | 70        | 130            | 7.78       | 20       |      |
| Toluene                     | 21         | 1.0             | 20.00     | 0           | 103               | 70        | 130            | 1.03       | 20       |      |

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 10 of 11

## QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| WO#: | 2301A57   |
|------|-----------|
|      | 03-Feb-23 |

| Client: ENSOLU<br>Project: Lateral 20 | M<br>C15 Sumr | 1                 |                           |             |                   |           |                            |             |          |      |
|---------------------------------------|---------------|-------------------|---------------------------|-------------|-------------------|-----------|----------------------------|-------------|----------|------|
| Sample ID: 2301a57-001a msd           | Samp          | rvde: MS          | D                         | Tes         | tCode: FI         | PA Method | 8260 <sup>.</sup> Volatile | s Short I i | st       |      |
| Client ID: MW-10                      | Bate          | h ID: SI          | 0/317                     | F           |                   | 4317      |                            | 0 011011 21 |          |      |
| Dren Deter                            |               |                   | 34317<br>A <i>l</i> ioooo | ·           |                   | 400005    | lister                     |             |          |      |
| Prep Date:                            | Analysis L    | Jate: 17.         | 31/2023                   |             | Sequo: 34         | 406825    | Units: µg/L                |             |          |      |
| Analyte                               | Result        | PQL               | SPK value                 | SPK Ref Val | %REC              | LowLimit  | HighLimit                  | %RPD        | RPDLimit | Qual |
| Surr: 1,2-Dichloroethane-d4           | 9.2           |                   | 10.00                     |             | 91.9              | 70        | 130                        | 0           | 0        |      |
| Surr: 4-Bromofluorobenzene            | 10            |                   | 10.00                     |             | 103               | 70        | 130                        | 0           | 0        |      |
| Surr: Dibromofluoromethane            | 9.8           |                   | 10.00                     |             | 98.3              | 70        | 130                        | 0           | 0        |      |
| Surr: Toluene-d8                      | 10            |                   | 10.00                     |             | 103               | 70        | 130                        | 0           | 0        |      |
| Sample ID: 100ng Ics                  | Samp          | Гуре: <b>LC</b>   | s                         | Tes         | tCode: EF         | PA Method | 8260: Volatile             | s Short Li  | st       |      |
| Client ID: LCSW                       | Batc          | h ID: SL          | 94339                     | F           | RunNo: <b>9</b> 4 | 4339      |                            |             |          |      |
| Prep Date:                            | Analysis [    | Date: <b>2/</b> * | 1/2023                    | S           | SeqNo: 34         | 407686    | Units: µg/L                |             |          |      |
| Analyte                               | Result        | PQL               | SPK value                 | SPK Ref Val | %REC              | LowLimit  | HighLimit                  | %RPD        | RPDLimit | Qual |
| Benzene                               | 20            | 1.0               | 20.00                     | 0           | 99.9              | 70        | 130                        |             |          |      |
| Toluene                               | 22            | 1.0               | 20.00                     | 0           | 108               | 70        | 130                        |             |          |      |
| Surr: 1,2-Dichloroethane-d4           | 9.5           |                   | 10.00                     |             | 95.0              | 70        | 130                        |             |          |      |
| Surr: 4-Bromofluorobenzene            | 11            |                   | 10.00                     |             | 107               | 70        | 130                        |             |          |      |
| Surr: Dibromofluoromethane            | 11            |                   | 10.00                     |             | 107               | 70        | 130                        |             |          |      |
| Surr: Toluene-d8                      | 10            |                   | 10.00                     |             | 104               | 70        | 130                        |             |          |      |
| Sample ID: <b>mb</b>                  | Samp          | Гуре: МЕ          | BLK                       | Tes         | tCode: EF         | PA Method | 8260: Volatile             | s Short Li  | st       |      |
| Client ID: PBW                        | Batc          | h ID: SL          | 94339                     | F           | RunNo: 94         | 4339      |                            |             |          |      |
| Prep Date:                            | Analysis [    | Date: <b>2/</b> * | 1/2023                    | S           | SeqNo: 34         | 407689    | Units: µg/L                |             |          |      |
| Analyte                               | Result        | PQL               | SPK value                 | SPK Ref Val | %REC              | LowLimit  | HighLimit                  | %RPD        | RPDLimit | Qual |
| Benzene                               | ND            | 1.0               |                           |             |                   |           |                            |             |          |      |
| Toluene                               | ND            | 1.0               |                           |             |                   |           |                            |             |          |      |
| Ethylbenzene                          | ND            | 1.0               |                           |             |                   |           |                            |             |          |      |
| Xylenes, Total                        | ND            | 1.5               |                           |             |                   |           |                            |             |          |      |
| Surr: 1,2-Dichloroethane-d4           | 11            |                   | 10.00                     |             | 114               | 70        | 130                        |             |          |      |
| Surr: 4-Bromofluorobenzene            | 11            |                   | 10.00                     |             | 112               | 70        | 130                        |             |          |      |
| Surr: Dibromofluoromethane            | 11            |                   | 10.00                     |             | 110               | 70        | 130                        |             |          |      |
| Surr: Toluene-d8                      | 10            |                   | 10.00                     |             | 103               | 70        | 130                        |             |          |      |

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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| Client Name: ENSOLUM<br>Received By: Tracy Casarrubias<br>Completed By: Tracy Casarrubias<br>Reviewed By: WMG 1.27.27<br><u>Chain of Custody</u><br>1. Is Chain of Custody complete?<br>2. How was the sample delivered? | Work Order Numb<br>1/27/2023 6:30:00 A<br>1/27/2023 10:33:38 | oer: 2301A57<br>AM<br>AM<br>Yes ☑<br>Courier | No 🗌          | RcptNo: 1                    |        |
|--|--|--|---------------|------------------------------|--------|
| Received By: Tracy Casarrubias<br>Completed By: Tracy Casarrubias<br>Reviewed By: KVA 1.27.27<br>Chain of Custody<br>1. Is Chain of Custody complete?<br>2. How was the sample delivered?                                | 1/27/2023 6:30:00 A<br>1/27/2023 10:33:38<br>Z               | AM<br>AM<br>Yes 🗹<br>Courier                 | No 🗌          |                              |        |
| Completed By: Tracy Casarrubias<br>Reviewed By: KVA 1.27.27<br>Chain of Custody<br>1. Is Chain of Custody complete?<br>2. How was the sample delivered?  | 1/27/2023 10:33:38<br>근                                      | AM<br>Yes ☑<br>Courier                       | No 🗌          |                              |        |
| Reviewed By: WVG 1.27.27<br><u>Chain of Custody</u><br>1. Is Chain of Custody complete?<br>2. How was the sample delivered?  | 2  | Yes 🗹  | No 🗌          |                              |        |
| <ul><li><u>Chain of Custody</u></li><li>1. Is Chain of Custody complete?</li><li>2. How was the sample delivered?</li></ul>  |  | Yes 🗹  | No 🗌          |                              |        |
| <ol> <li>Is Chain of Custody complete?</li> <li>How was the sample delivered?</li> </ol>   |  | Yes ⊻<br>Courier                             | No 🗀          |                              |        |
| 2. How was the sample delivered?   |  | Courier                                      |               |                              |        |
|  |  | <u></u>                                      |               |                              |        |
| Log In<br>3. Was an attempt made to cool the samples?  |  | Yes 🗹  | No 🗌          | na 🗌                         |        |
| 4. Were all samples received at a temperature of   | of >0° C to 6.0°C  | Yes 🗹  | No 🗌          |                              |        |
| 5. Sample(s) in proper container(s)?   |  | Yes 🗹  | No 🗌          |                              |        |
| 6. Sufficient sample volume for indicated test(s)  | ?  | Yes 🗹  | No 🗌          |                              |        |
| 7. Are samples (except VOA and ONG) properly   | preserved?   | Yes 🗹  | No 🗌          |                              |        |
| 8. Was preservative added to bottles?  |  | Yes 🗌  | No 🗹          | NA 🗌                         |        |
| 9. Received at least 1 vial with headspace <1/4"   | for AQ VOA?  | Yes 🗹  | No 🗌          |                              |        |
| 10. Were any sample containers received broker   | 1?   | Yes  | No 🗹          | # of preserved               |        |
| 11. Does paperwork match bottle labels?<br>(Note discrepancies on chain of custody)  |  | Yes 🗹  | No 🗌          | for pH:<br>(<2 or >12 unless | noted) |
| 12. Are matrices correctly identified on Chain of C  | Custody?   | Yes 🗹  | No 🗌          | Adjusted?                    |        |
| 13. Is it clear what analyses were requested?  |  | Yes 🗹  | No 🗌          | and the                      | JIDD   |
| 14. Were all holding times able to be met?<br>(If no, notify customer for authorization.)  |  | Yes 🗹  | No 🗔          | effecked by: 3K              | LICO   |
| Special Handling (if applicable)   |  |  |               |                              |        |
| 15. Was client notified of all discrepancies with the  | his order?   | Yes 🗌  | No 🗌          | NA 🗹                         |        |
| Person Notified:   | Date   | :  |               | a                            |        |
| By Whom:   | Via:   | 🗌 eMail 📘                                    | ] Phone 🗌 Fax | In Person                    |        |
| Regarding:   |  |  |               |                              |        |
| Client Instructions:   |  |  |               |                              |        |
| 16. Additional remarks:  |  |  |               |                              |        |
| 17. <u>Cooler Information</u>  |  | Oral D-1                                     | Cleaned Dr.   | ****                         |        |
| Cooler No Lemp °C Condition Se   | eal Intact Seal No   | Seal Date                                    | Signed By     |                              |        |
|  |  |  |               |                              |        |

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|                         | HALL ENVIRONMENTAL<br>ANALYSTS LABODATODY | www.hallenvironmental.com | Hawkins NE - Albuquerque, NM 87109       | 05-345-3975 Fax 505-345-4107 | Analysis Request | (ţı                                | ypzet<br>WZ    | 120<br>29<br>4\tr                     | (۲.<br>1925<br>1925 | 504<br>504<br>3<br>3<br>(Pre<br>(Pre | та (<br>103<br>103<br>103<br>10<br>10<br>10<br>10 | ethc<br>y 83<br>} Mee<br>br, 10<br>(AO)<br>(AO)<br>(AO)<br>(AO)<br>(AO)<br>(AO)<br>(AO)<br>(AO) | 208 (M<br>2016 (M<br>2016 (V<br>270 (S<br>270 (S<br>01al Co |                 |                   |              |               |                       |                       |                          |                    |                        |                  |  |                              | Bill to Ensolum                     |  |
|-------------------------|---|---------------------------|--|------------------------------|------------------|------------------------------------|----------------|---------------------------------------|---------------------|--------------------------------------|---|---|---|-----------------|-------------------|--------------|---------------|-----------------------|-----------------------|--------------------------|--------------------|------------------------|------------------|--|------------------------------|-------------------------------------|--|
|                         |   |                           | 49011                                    | Tel. 5                       |                  | (c                                 | s'8:<br>/ MR(  | 50 V                                  | 70 \<br>280         | / OS                                 | ReF<br>(GF  | 12D(  | 08:H9   | T<br>8          | +                 |              |               |                       |                       |                          |                    |                        |                  |  | arks:                        |                                     | 114.                                   |
|                         |   |                           |  |                              |                  | ()                                 | 1208)          | ) <del>S (</del>                      | BWB                 | -/                                   | 38<br>I   | ±₩-   | / X∃T   | ∃ ≻             | < >               | X            | $\times$      | X                     | ×                     | ×                        | ×                  | ×                      | ×                |  | Rem                          |                                     |  |
| Turn-Around Time:       | K Standard D Rush                         | Pròject Name:             | [Lateral 2C-15 Sump                      | Project #:                   | 05A1226105       | Project Manager:                   |                | K. Summers                            | Sampler: L. Daniell | On Ice: Ves DNo UM                   | # of Coolers: 1                                   | Cooler Temp(Induding CF): 0.3 - 0.3 - 0. (°C)   | Container Preservative HEAL No.                             |                 | 100 clock another | 200          | 003           | 001                   | 200                   | 0000                     | +00                | 80%                    | 10 000           |  | Repetived by: Via: Date Time | Received by: Via: Courter Date Time | 1/27/23 U.S.                           |
| Chain-of-Custody Record | Client: Fu co lum. LLC                    |                           | Mailing Address: 600 S. Rio Gunde Sülfet |                              | Phone #:         | email or Fax#: KSummersQensohn.com | QA/QC Package: | Standard    Level 4 (Full Validation) | Accreditation:      | NELAC      Other                     | 🗆 EDD (Type)                                      |   | Date Time Matrix Sample Name                                | 1/1/v/v/ c-1/0/ |                   | LAND IN MARK | 11:50 w MW-11 | 1/24/23 12:20 W MW-12 | 1/26/23 13:15 W MW-14 | (/24/23 (23) ~ 1 MW - 13 | 1/26/23/430 W MW-5 | 1/20/23 15:00 W NW - 3 | 1/26/-320 W MW-9 |  | Date: Time: Relinquished by: | Date: Time: Romonistied by:         | WWW W WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW |

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April 25, 2023

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX:

RE: Lateral 2C 15 Sump

OrderNo.: 2304869

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 6 sample(s) on 4/20/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

**Analytical Report** Lab Order 2304869

Date Reported: 4/25/2023

| CLIENT: ENSOLUM             | Client Sample ID: MW-8                              |       |                |              |                      |        |  |  |  |
|-----------------------------|---|-------|----------------|--------------|----------------------|--------|--|--|--|
| Project: Lateral 2C 15 Sump |   | C     | Collection Dat | <b>e:</b> 4/ | 19/2023 9:50:00 AM   |        |  |  |  |
| Lab ID: 2304869-001         | Matrix: AQUEOUS Received Date: 4/20/2023 6:30:00 AM |       |                |              |                      |        |  |  |  |
| Analyses                    | Result  | RL    | Qual Units     | DF           | Date Analyzed        | Batch  |  |  |  |
| EPA METHOD 8021B: VOLATILES |   |       |                |              | Analys               | : CCM  |  |  |  |
| Benzene                     | ND  | 1.0   | µg/L           | 1            | 4/21/2023 6:53:00 PM | BW9622 |  |  |  |
| Toluene                     | ND  | 1.0   | µg/L           | 1            | 4/21/2023 6:53:00 PM | BW9622 |  |  |  |
| Ethylbenzene                | ND  | 1.0   | µg/L           | 1            | 4/21/2023 6:53:00 PM | BW9622 |  |  |  |
| Xylenes, Total              | ND  | 2.0   | µg/L           | 1            | 4/21/2023 6:53:00 PM | BW9622 |  |  |  |
| Surr: 4-Bromofluorobenzene  | 107 7   | 0-130 | %Rec           | 1            | 4/21/2023 6:53:00 PM | BW9622 |  |  |  |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

\* Value exceeds Maximum Contaminant Level. **Qualifiers:** 

- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 7

D Sample Diluted Due to Matrix

Analytical Report
Lab Order 2304869

Date Reported: 4/25/2023

| CLIENT: ENSOLUM             | Client Sample ID: MW-7                              |       |            |    |                      |        |  |  |  |
|-----------------------------|---|-------|------------|----|----------------------|--------|--|--|--|
| Project: Lateral 2C 15 Sump | 19/2023 10:20:00 AM                                 |       |            |    |                      |        |  |  |  |
| Lab ID: 2304869-002         | Matrix: AQUEOUS Received Date: 4/20/2023 6:30:00 AM |       |            |    |                      |        |  |  |  |
| Analyses                    | Result  | RL    | Qual Units | DF | Date Analyzed        | Batch  |  |  |  |
| EPA METHOD 8021B: VOLATILES |   |       |            |    | Analyst              | CCM    |  |  |  |
| Benzene                     | ND  | 1.0   | µg/L       | 1  | 4/21/2023 7:15:00 PM | BW9622 |  |  |  |
| Toluene                     | ND  | 1.0   | µg/L       | 1  | 4/21/2023 7:15:00 PM | BW9622 |  |  |  |
| Ethylbenzene                | ND  | 1.0   | µg/L       | 1  | 4/21/2023 7:15:00 PM | BW9622 |  |  |  |
| Xylenes, Total              | ND  | 2.0   | µg/L       | 1  | 4/21/2023 7:15:00 PM | BW9622 |  |  |  |
| Surr: 4-Bromofluorobenzene  | 94.4 7  | 0-130 | %Rec       | 1  | 4/21/2023 7:15:00 PM | BW9622 |  |  |  |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers: \* Value exceeds Maximum Contaminant Level.

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated ValueJ Analyte detected below quantitation limits
- J
   Analyte detected below quantitation limit

   P
   Sample pH Not In Range
- RL Reporting Limit

Page 2 of 7

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

S % Recovery outside of standard limits. If undiluted results may be estimated.

**Analytical Report** Lab Order 2304869

Date Reported: 4/25/2023

| CLIENT: ENSOLUM             | Client Sample ID: MW-6                              |       |            |    |                      |        |  |  |  |  |
|-----------------------------|---|-------|------------|----|----------------------|--------|--|--|--|--|
| Project: Lateral 2C 15 Sump | Collection Date: 4/19/2023 10:45:00 AM              |       |            |    |                      |        |  |  |  |  |
| Lab ID: 2304869-003         | Matrix: AQUEOUS Received Date: 4/20/2023 6:30:00 AM |       |            |    |                      |        |  |  |  |  |
| Analyses                    | Result  | RL (  | Qual Units | DF | Date Analyzed        | Batch  |  |  |  |  |
| EPA METHOD 8021B: VOLATILES |   |       |            |    | Analyst              | CCM    |  |  |  |  |
| Benzene                     | ND  | 1.0   | µg/L       | 1  | 4/21/2023 7:36:00 PM | BW9622 |  |  |  |  |
| Toluene                     | ND  | 1.0   | µg/L       | 1  | 4/21/2023 7:36:00 PM | BW9622 |  |  |  |  |
| Ethylbenzene                | ND  | 1.0   | µg/L       | 1  | 4/21/2023 7:36:00 PM | BW9622 |  |  |  |  |
| Xylenes, Total              | ND  | 2.0   | µg/L       | 1  | 4/21/2023 7:36:00 PM | BW9622 |  |  |  |  |
| Surr: 4-Bromofluorobenzene  | 95.0 7  | 0-130 | %Rec       | 1  | 4/21/2023 7:36:00 PM | BW9622 |  |  |  |  |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| <b>Oualifiers:</b> | * | Value exceeds Maximum Contaminant Level. |
|--------------------|---|--|
|--------------------|---|--|

- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range RL Reporting Limit

Page 3 of 7

Analytical Report Lab Order 2304869

Date Reported: 4/25/2023

| CLIENT: ENSOLUM             | Client Sample ID: MW-10                             |       |            |    |                      |        |  |  |  |
|-----------------------------|---|-------|------------|----|----------------------|--------|--|--|--|
| Project: Lateral 2C 15 Sump | 19/2023 11:20:00 AM                                 |       |            |    |                      |        |  |  |  |
| Lab ID: 2304869-004         | Matrix: AQUEOUS Received Date: 4/20/2023 6:30:00 AM |       |            |    |                      |        |  |  |  |
| Analyses                    | Result  | RL    | Qual Units | DF | <b>Date Analyzed</b> | Batch  |  |  |  |
| EPA METHOD 8021B: VOLATILES |   |       |            |    | Analyst              | CCM    |  |  |  |
| Benzene                     | ND  | 1.0   | µg/L       | 1  | 4/21/2023 7:58:00 PM | BW9622 |  |  |  |
| Toluene                     | ND  | 1.0   | µg/L       | 1  | 4/21/2023 7:58:00 PM | BW9622 |  |  |  |
| Ethylbenzene                | ND  | 1.0   | µg/L       | 1  | 4/21/2023 7:58:00 PM | BW9622 |  |  |  |
| Xylenes, Total              | ND  | 2.0   | µg/L       | 1  | 4/21/2023 7:58:00 PM | BW9622 |  |  |  |
| Surr: 4-Bromofluorobenzene  | 94.7 7  | 0-130 | %Rec       | 1  | 4/21/2023 7:58:00 PM | BW9622 |  |  |  |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| Qualifiers: | * |
|-------------|---|
|-------------|---|

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limitsP Sample pH Not In Range
- RL Reporting Limit

Page 4 of 7

**Analytical Report** Lab Order 2304869

Hall Environmental Analysis Laboratory, Inc. Date Reported: 4/25/2023

| CLIENT: ENSOLUM                    |   | Cl    | ient Sample II | D: M | W-2                  |        |  |  |  |  |
|------------------------------------|---|-------|----------------|------|----------------------|--------|--|--|--|--|
| <b>Project:</b> Lateral 2C 15 Sump | Collection Date: 4/19/2023 11:50:00 AM              |       |                |      |                      |        |  |  |  |  |
| Lab ID: 2304869-005                | Matrix: AQUEOUS Received Date: 4/20/2023 6:30:00 AM |       |                |      |                      |        |  |  |  |  |
| Analyses                           | Result  | RL    | Qual Units     | DF   | Date Analyzed        | Batch  |  |  |  |  |
| EPA METHOD 8021B: VOLATILES        |   |       |                |      | Analyst              | CCM    |  |  |  |  |
| Benzene                            | ND  | 1.0   | µg/L           | 1    | 4/21/2023 8:19:00 PM | BW9622 |  |  |  |  |
| Toluene                            | ND  | 1.0   | μg/L           | 1    | 4/21/2023 8:19:00 PM | BW9622 |  |  |  |  |
| Ethylbenzene                       | 1.1   | 1.0   | μg/L           | 1    | 4/21/2023 8:19:00 PM | BW9622 |  |  |  |  |
| Xylenes, Total                     | 2.8   | 2.0   | μg/L           | 1    | 4/21/2023 8:19:00 PM | BW9622 |  |  |  |  |
| Surr: 4-Bromofluorobenzene         | 98.3 7  | 0-130 | %Rec           | 1    | 4/21/2023 8:19:00 PM | BW9622 |  |  |  |  |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

\* Value exceeds Maximum Contaminant Level. **Qualifiers:** 

- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- RL Reporting Limit

Page 5 of 7

**Analytical Report** Lab Order 2304869

Date Reported: 4/25/2023

| CLIENT: ENSOLUM             |   | Cli   | ient Sample I  | <b>D:</b> M | IW-4                 |        |  |  |
|-----------------------------|---|-------|----------------|-------------|----------------------|--------|--|--|
| Project: Lateral 2C 15 Sump |   | C     | Jollection Dat | e: 4/       | 19/2023 12:45:00 PM  |        |  |  |
| Lab ID: 2304869-006         | Matrix: AQUEOUS Received Date: 4/20/2023 6:30:00 AM |       |                |             |                      |        |  |  |
| Analyses                    | Result  | RL    | Qual Units     | DF          | <b>Date Analyzed</b> | Batch  |  |  |
| EPA METHOD 8021B: VOLATILES |   |       |                |             | Analyst              | CCM    |  |  |
| Benzene                     | ND  | 1.0   | µg/L           | 1           | 4/21/2023 8:41:00 PM | BW9622 |  |  |
| Toluene                     | ND  | 1.0   | µg/L           | 1           | 4/21/2023 8:41:00 PM | BW9622 |  |  |
| Ethylbenzene                | ND  | 1.0   | µg/L           | 1           | 4/21/2023 8:41:00 PM | BW9622 |  |  |
| Xylenes, Total              | ND  | 2.0   | µg/L           | 1           | 4/21/2023 8:41:00 PM | BW9622 |  |  |
| Surr: 4-Bromofluorobenzene  | 99.6 7  | 0-130 | %Rec           | 1           | 4/21/2023 8:41:00 PM | BW9622 |  |  |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range RL Reporting Limit

Page 6 of 7

**ENSOLUM** 

Lateral 2C 15 Sump

**Client:** 

**Project:** 

Ethylbenzene

# **QC SUMMARY REPORT** Hall Environmental Analysis

ND

ND

1.0

2.0

| Laboratory, Inc. |  |  |
|------------------|--|--|
|                  |  |  |
|                  |  |  |

| Sample ID: 100ng btex lcs  | Samp       | SampType:     LCS     TestCode:     EPA Method 8021B:     Volatiles |           |             |                  |           |                |      |          |      |
|----------------------------|------------|---|-----------|-------------|------------------|-----------|----------------|------|----------|------|
| Client ID: LCSW            | Batc       | h ID: BW  | /96225    | F           | RunNo: <b>96</b> | 6225      |                |      |          |      |
| Prep Date:                 | Analysis [ | Date: 4/2   | 21/2023   | S           | SeqNo: 34        | 485440    | Units: µg/L    |      |          |      |
| Analyte                    | Result     | PQL   | SPK value | SPK Ref Val | %REC             | LowLimit  | HighLimit      | %RPD | RPDLimit | Qual |
| Benzene                    | 19         | 1.0   | 20.00     | 0           | 97.1             | 70        | 130            |      |          |      |
| Toluene                    | 20         | 1.0   | 20.00     | 0           | 99.2             | 70        | 130            |      |          |      |
| Ethylbenzene               | 20         | 1.0   | 20.00     | 0           | 99.2             | 70        | 130            |      |          |      |
| Xylenes, Total             | 60         | 2.0   | 60.00     | 0           | 99.4             | 70        | 130            |      |          |      |
| Surr: 4-Bromofluorobenzene | 20         |   | 20.00     |             | 97.9             | 70        | 130            |      |          |      |
| Sample ID: <b>mb</b>       | Samp       | Гуре: МВ  | BLK       | Tes         | tCode: EF        | PA Method | 8021B: Volatil | es   |          |      |
| Client ID: PBW             | Batc       | h ID: BW  | /96225    | F           | RunNo: <b>96</b> | 6225      |                |      |          |      |
| Prep Date:                 | Analysis [ | Date: 4/2   | 21/2023   | S           | SeqNo: 34        | 485441    | Units: µg/L    |      |          |      |
| Analyte                    | Result     | PQL   | SPK value | SPK Ref Val | %REC             | LowLimit  | HighLimit      | %RPD | RPDLimit | Qual |
| Benzene                    | ND         | 1.0   |           |             |                  |           |                |      |          |      |
| Toluene                    | ND         | 1.0   |           |             |                  |           |                |      |          |      |

Xylenes, Total Surr: 4-Bromofluorobenzene 19 20.00 95.2 70 130

**Qualifiers:** 

- Value exceeds Maximum Contaminant Level. \*
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank В
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 7 of 7

WO#: 2304869

25-Apr-23

| HALL<br>ENVIRONMENTAL<br>ANALYSIS<br>LABORATORY                | Hall Environme<br>TEL: 505-345<br>Website: ww | ental Analys.<br>4901<br>Albuquerqu<br>3975 FAX: 5<br>w.hallenviro | is Laboratory<br>Hawkins NE<br>ie, NM 87109<br>505-345-4107<br>mmental.com | San   | nple Log-In (                                | Check List          |
|--|---|--|--|-------|--|---------------------|
| Client Name: ENSOLUM   | Work Order Num                                | nber: 2304   | 869  | -     | RcptNo                                       | : 1                 |
|  |   |  |  |       |  |                     |
| Received By: Tracy Casarrubias                                 | 4/20/2023 6:30:00                             | AM   |  |       |  |                     |
| Completed By: Tracy Casarrubias                                | 4/20/2023 10:16:4                             | 0 AM   |  |       |  |                     |
| Reviewed By: 4-70-83   |   |  |  |       |  |                     |
| Chain of Custody   |   |  |  |       |  |                     |
| 1. Is Chain of Custody complete?                               |   | Yes  |  | No 🗹  | Not Present                                  |                     |
| 2. How was the sample delivered?                               |   | <u>Couri</u>   | er   |       |  |                     |
| Log In<br>3. Was an attempt made to cool the samples?          |   | Yes  |  | No 🗌  | na 🗌   |                     |
| 4. Were all samples received at a temperature                  | of >0° C to 6.0°C                             | Yes  |  | No 🗌  | NA 🗌   |                     |
| 5. Sample(s) in proper container(s)?                           |   | Yes  |  | No 🗌  |  |                     |
| 6. Sufficient sample volume for indicated test(s)              | )?  | Yes  | v V  | No 🗌  |  |                     |
| 7. Are samples (except VOA and ONG) propert                    | y preserved?                                  | Yes  | v v  | No 🗌  |  |                     |
| 8. Was preservative added to bottles?                          |   | Yes  | 1  | No 🔽  | NA 🗌   |                     |
| 9. Received at least 1 vial with headspace $<1/4$              | " for AO VOA?                                 | Yes  |  | lo 🗌  |  |                     |
| 10. Were any sample containers received broke                  | n?  | Yes  |  | No 🗹  | /  | No. and             |
| 11. Does paperwork match bottle labels?                        |   | Yes  | 1  | No 🗆  | # of preserved<br>bottles checked<br>for pH: |                     |
| (Note discrepancies on chain of custody)                       | 0   |  |  |       | (<2 o<br>Adjusted?                           | r >12 unless noted) |
| 12. Is it clear what analyses were requested?                  | Custody?                                      | Yes (  | <u>v</u> i r<br>V N  | lo D  |  |                     |
| 14. Were all holding times able to be met?                     |   | Yes  | · ·  | No 🗆  | Checked by:                                  |                     |
| (If no, notify customer for authorization.)                    |   |  |  |       | what   | 120/23              |
| Special Handling (if applicable)                               |   |  |  |       |  |                     |
| 15. Was client notified of all discrepancies with t            | his order?                                    | Yes  |  | No 🗌  | NA 🗹   | _                   |
| Person Notified:   | Date  | :)   |  |       |  |                     |
| By Whom:   | Via:  | 🗌 eMai   | I 🗌 Phone  | 🗌 Fax | In Person                                    |                     |
| Regarding:   |   |  |  |       |  |                     |
| Client Instructions: Phone number m                            | issing on COC- TMC                            | 4/20/23  |  |       |  |                     |
| 16. Additional remarks: Sample Janita                          |   |  |  |       |  |                     |
| 17. <u>Cooler Information</u><br>Cooler No Temp ℃ Condition Se | eal Intact Seal No                            | Seal Da  | te Sian  | ed Bv |  |                     |
| 1 4.4 Good Yes   | 6 Morty                                       | -  |  |       | a ta     |                     |

| Page 83 of 138                        | HALL ENVIRONMENTAL      | Rush ANALYSIS LABORATORY | www.hallenvironmental.com | 2C-15 Surve 4901 Hawkins NE - Albuquerque, NM 87109 | Tel. 505-345-3975 Fax 505-345-4107 | 2.6/05 Analysis Request | eut)   | 1<br>2<br>2<br>2<br>3<br>3<br>4<br>4<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5 | 105°           | 2004)<br>2004)<br>2004)<br>2004)<br>2004)<br>2004)<br>2004)<br>2004)<br>2004) | 901<br>91<br>91<br>91<br>91<br>91<br>91<br>91<br>91<br>91<br>91<br>91<br>91<br>91 | 2011日本 - ダーイム (。C) MH 5D 141 85 M · 14 - ダーイム (。C) MH 5D 141 85 M · 15D 681 141 - ダーイム (。C) MH 5D 141 681 141 141 141 141 141 141 141 141 141 1 | Vative HEAL No.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204869.<br>7204860.<br>7204869.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>7204860.<br>700480000000000000000000000000000000000 |                 | N 007                        | 003 X                    | Cov X                  | V OOS X     | N) OOW X                |  |  |  | Date Time Remarks:           | Duyner Date Time Bill to Ensolum<br>Ultralia |
|---------------------------------------|-------------------------|--------------------------|---------------------------|---|------------------------------------|-------------------------|--|---|----------------|---|---|---|--|-----------------|------------------------------|--------------------------|------------------------|-------------|-------------------------|--|--|--|------------------------------|--|
| Tirro-Around Time.                    |                         | Standard D               | froject Name:             | Lateral   | roject #:                          | 05,412                  | Project Manager:                               | K.S.  | Sampler:       | On Ice: 🔰 Ye  | # of Coolers: 1   | Cooler Temp(Including   | Container Prese<br>Type and # Type   | 24111/14        |                              |                          |                        | >           | 3x Gonitat 1            |  |  |  | Received by: Va              | Received by: Via                             |
| Received by OCD: 1/12/2024 7:25:31 AM | Chain-of-Custody Record | Client: Ense June, LLC   | L                         | Mailing Address: LOL S. RioGrande Silk A            | ALLANN COURS                       |                         | email or Fax#: KSINUNUS - Samper no solution P | QA/QC Package:  | Accreditation: |   | 🗆 EDD (Type) 👘  |   | Date Time Matrix Sample Name   | Main and Main R | 11.0 by 10/2 0 10/2 XAVA - 7 | 4/19/22 10:00 LV N/W - 6 | diates in a low Min-10 | ulaha men u | 4/19/22/22 45 in NW - 4 |  |  |  | Date: Time: Relinquished by: | Date: Time: Reinequished by:                 |



April 28, 2023

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX:

RE: Lateral 2C 15 Sump

OrderNo.: 2304931

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 8 sample(s) on 4/21/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

**Analytical Report** Lab Order 2304931

Date Reported: 4/28/2023

| CLIENT: ENSOLUM<br>Project: Lateral 2C 15 Sump |                 | Clie<br>C | ent Sample II<br>ollection Dat | D: M<br>e: 4/2 | W-11<br>20/2023 9:50:00 AM |        |
|--|-----------------|-----------|--------------------------------|----------------|----------------------------|--------|
| Lab ID: 2304931-001                            | Matrix: AQUEOUS | ]         | Received Dat                   | e: 4/          | 21/2023 6:30:00 AM         |        |
| Analyses                                       | Result          | RL        | Qual Units                     | DF             | Date Analyzed              | Batch  |
| EPA METHOD 8021B: VOLATILES                    |                 |           |                                |                | Analys                     | t: JJP |
| Benzene  | ND              | 1.0       | µg/L                           | 1              | 4/26/2023 5:47:02 PM       | BW9631 |
| Toluene  | ND              | 1.0       | µg/L                           | 1              | 4/26/2023 5:47:02 PM       | BW9631 |
| Ethylbenzene                                   | ND              | 1.0       | µg/L                           | 1              | 4/26/2023 5:47:02 PM       | BW9631 |
| Xylenes, Total                                 | ND              | 2.0       | µg/L                           | 1              | 4/26/2023 5:47:02 PM       | BW9631 |
| Surr: 4-Bromofluorobenzene                     | 96.4 7          | 0-130     | %Rec                           | 1              | 4/26/2023 5:47:02 PM       | BW9631 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| Ona | lifier | s: |
|-----|--------|----|
| Vua | muu    |    |

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 9

**Analytical Report** Lab Order 2304931

Date Reported: 4/28/2023

| CLIENT: ENSOLUM                    |   | Clie  | ent Sample II | D: M | W-12                 |        |  |  |  |
|------------------------------------|---|-------|---------------|------|----------------------|--------|--|--|--|
| <b>Project:</b> Lateral 2C 15 Sump | <b>Collection Date:</b> 4/20/2023 10:35:00 AM               |       |               |      |                      |        |  |  |  |
| Lab ID: 2304931-002                | Matrix: AQUEOUS         Received Date: 4/21/2023 6:30:00 AM |       |               |      |                      |        |  |  |  |
| Analyses                           | Result  | RL    | Qual Units    | DF   | Date Analyzed        | Batch  |  |  |  |
| EPA METHOD 8021B: VOLATILES        |   |       |               |      | Analyst              | : JJP  |  |  |  |
| Benzene                            | ND  | 1.0   | µg/L          | 1    | 4/26/2023 6:10:18 PM | BW9631 |  |  |  |
| Toluene                            | ND  | 1.0   | µg/L          | 1    | 4/26/2023 6:10:18 PM | BW9631 |  |  |  |
| Ethylbenzene                       | ND  | 1.0   | µg/L          | 1    | 4/26/2023 6:10:18 PM | BW9631 |  |  |  |
| Xylenes, Total                     | ND  | 2.0   | µg/L          | 1    | 4/26/2023 6:10:18 PM | BW9631 |  |  |  |
| Surr: 4-Bromofluorobenzene         | 98.4 7  | 0-130 | %Rec          | 1    | 4/26/2023 6:10:18 PM | BW9631 |  |  |  |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- RL Reporting Limit

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Analytical Report
Lab Order 2304931

Date Reported: 4/28/2023

| CLIENT: ENSOLUM             |   | Cli   | ent Sample II | D: M | W-14                 |        |  |  |  |
|-----------------------------|---|-------|---------------|------|----------------------|--------|--|--|--|
| Project: Lateral 2C 15 Sump | Collection Date: 4/20/2023 11:10:00 AM  |       |               |      |                      |        |  |  |  |
| Lab ID: 2304931-003         | 2304931-003         Matrix: AQUEOUS         Received Date: 4/21/2023 6:30:00 AM |       |               |      |                      |        |  |  |  |
| Analyses                    | Result  | RL    | Qual Units    | DF   | Date Analyzed        | Batch  |  |  |  |
| EPA METHOD 8021B: VOLATILES |   |       |               |      | Analyst              | : JJP  |  |  |  |
| Benzene                     | ND  | 1.0   | µg/L          | 1    | 4/26/2023 6:33:39 PM | BW9631 |  |  |  |
| Toluene                     | ND  | 1.0   | µg/L          | 1    | 4/26/2023 6:33:39 PM | BW9631 |  |  |  |
| Ethylbenzene                | ND  | 1.0   | µg/L          | 1    | 4/26/2023 6:33:39 PM | BW9631 |  |  |  |
| Xylenes, Total              | ND  | 2.0   | µg/L          | 1    | 4/26/2023 6:33:39 PM | BW9631 |  |  |  |
| Surr: 4-Bromofluorobenzene  | 95.8 7  | 0-130 | %Rec          | 1    | 4/26/2023 6:33:39 PM | BW9631 |  |  |  |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| <b>Oualifiers:</b> | * | Value exceeds Maximum Contaminant Level. |
|--------------------|---|--|
|--------------------|---|--|

- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated ValueJ Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Analytical Report
Lab Order 2304931

Date Reported: 4/28/2023

| CLIENT: ENSOLUM                    | Client Sample ID: MW-13                             |       |        |          |               |                      |        |  |  |  |
|------------------------------------|---|-------|--------|----------|---------------|----------------------|--------|--|--|--|
| <b>Project:</b> Lateral 2C 15 Sump |   | C     | Collec | tion Dat | <b>e:</b> 4/2 | 20/2023 11:45:00 AM  |        |  |  |  |
| Lab ID: 2304931-004                | Matrix: AQUEOUS Received Date: 4/21/2023 6:30:00 AM |       |        |          |               |                      |        |  |  |  |
| Analyses                           | Result  | RL    | Qual   | Units    | DF            | Date Analyzed        | Batch  |  |  |  |
| EPA METHOD 8021B: VOLATILES        |   |       |        |          |               | Analys               | : JJP  |  |  |  |
| Benzene                            | 5.6   | 2.0   |        | µg/L     | 2             | 4/26/2023 6:57:16 PM | BW9631 |  |  |  |
| Toluene                            | 89  | 2.0   |        | µg/L     | 2             | 4/26/2023 6:57:16 PM | BW9631 |  |  |  |
| Ethylbenzene                       | 98  | 2.0   |        | µg/L     | 2             | 4/26/2023 6:57:16 PM | BW9631 |  |  |  |
| Xylenes, Total                     | 950   | 40    |        | µg/L     | 20            | 4/28/2023 1:39:51 AM | BW9631 |  |  |  |
| Surr: 4-Bromofluorobenzene         | 162 7   | 0-130 | S      | %Rec     | 2             | 4/26/2023 6:57:16 PM | BW9631 |  |  |  |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| Oualifiers: * | Value exceeds Maximum Contaminant Level. |
|---------------|--|
|---------------|--|

- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated ValueJ Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Analytical Report Lab Order 2304931

Date Reported: 4/28/2023

| CLIENT: ENSOLUM             |   | Cli    | ient Sample II | D: M | W-5                  |        |  |  |  |
|-----------------------------|---|--------|----------------|------|----------------------|--------|--|--|--|
| Project: Lateral 2C 15 Sump | Collection Date: 4/20/2023 12:15:00 PM              |        |                |      |                      |        |  |  |  |
| Lab ID: 2304931-005         | Matrix: AQUEOUS Received Date: 4/21/2023 6:30:00 AM |        |                |      |                      |        |  |  |  |
| Analyses                    | Result  | RL     | Qual Units     | DF   | Date Analyzed        | Batch  |  |  |  |
| EPA METHOD 8021B: VOLATILES |   |        |                |      | Analyst              | : JJP  |  |  |  |
| Benzene                     | ND  | 5.0    | µg/L           | 5    | 4/26/2023 7:20:51 PM | BW9631 |  |  |  |
| Toluene                     | ND  | 5.0    | µg/L           | 5    | 4/26/2023 7:20:51 PM | BW9631 |  |  |  |
| Ethylbenzene                | ND  | 5.0    | µg/L           | 5    | 4/26/2023 7:20:51 PM | BW9631 |  |  |  |
| Xylenes, Total              | ND  | 10     | µg/L           | 5    | 4/26/2023 7:20:51 PM | BW9631 |  |  |  |
| Surr: 4-Bromofluorobenzene  | 95.8 7  | 70-130 | %Rec           | 5    | 4/26/2023 7:20:51 PM | BW9631 |  |  |  |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| <b>Oualifiers:</b> | * | Value exceeds Maximum Contaminant Level. |
|--------------------|---|--|
|--------------------|---|--|

D Sample Diluted Due to Matrix

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated ValueJ Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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H Holding times for preparation or analysis exceeded

**Analytical Report** Lab Order 2304931

Date Reported: 4/28/2023

| CLIENT: ENSOLUM             |                 | Cli   | ent Sample II       | D: M          | W-3                  |        |
|-----------------------------|-----------------|-------|---------------------|---------------|----------------------|--------|
| Project: Lateral 2C 15 Sump |                 | C     | Collection Dat      | <b>e:</b> 4/2 | 20/2023 12:45:00 PM  |        |
| Lab ID: 2304931-006         | Matrix: AQUEOUS |       | <b>Received Dat</b> | <b>e:</b> 4/  | 21/2023 6:30:00 AM   |        |
| Analyses                    | Result          | RL    | Qual Units          | DF            | Date Analyzed        | Batch  |
| EPA METHOD 8021B: VOLATILES |                 |       |                     |               | Analyst              | : JJP  |
| Benzene                     | 44              | 5.0   | µg/L                | 5             | 4/26/2023 7:44:26 PM | BW9631 |
| Toluene                     | ND              | 5.0   | µg/L                | 5             | 4/26/2023 7:44:26 PM | BW9631 |
| Ethylbenzene                | 11              | 5.0   | µg/L                | 5             | 4/26/2023 7:44:26 PM | BW9631 |
| Xylenes, Total              | ND              | 10    | µg/L                | 5             | 4/26/2023 7:44:26 PM | BW9631 |
| Surr: 4-Bromofluorobenzene  | 108 7           | 0-130 | %Rec                | 5             | 4/26/2023 7:44:26 PM | BW9631 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р RL Reporting Limit

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**Analytical Report** 

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2304931

Date Reported: 4/28/2023

| CLIENT: ENSOLUM             |                 | Cli   | ient Sample I         | D: MV          | V-9                  |        |
|-----------------------------|-----------------|-------|-----------------------|----------------|----------------------|--------|
| Project: Lateral 2C 15 Sump |                 | (     | <b>Collection Dat</b> | <b>e:</b> 4/20 | 0/2023 1:25:00 PM    |        |
| Lab ID: 2304931-007         | Matrix: AQUEOUS |       | <b>Received Dat</b>   | <b>e:</b> 4/2  | 1/2023 6:30:00 AM    |        |
| Analyses                    | Result          | RL    | Qual Units            | DF             | Date Analyzed        | Batch  |
| EPA METHOD 8021B: VOLATILES |                 |       |                       |                | Analyst              | : JJP  |
| Benzene                     | 1400            | 100   | µg/L                  | 100            | 4/26/2023 8:07:58 PM | BW9631 |
| Toluene                     | 610             | 100   | µg/L                  | 100            | 4/26/2023 8:07:58 PM | BW9631 |
| Ethylbenzene                | 73              | 20    | µg/L                  | 20             | 4/28/2023 2:03:11 AM | BW9631 |
| Xylenes, Total              | 540             | 200   | µg/L                  | 100            | 4/26/2023 8:07:58 PM | BW9631 |
| Surr: 4-Bromofluorobenzene  | 94.2 7          | 0-130 | %Rec                  | 100            | 4/26/2023 8:07:58 PM | BW9631 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| Oualifiers: |
|-------------|
|-------------|

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- RL Reporting Limit

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Analytical Report Lab Order 2304931

Date Reported: 4/28/2023

| CLIENT: ENSOLUM                    |                 | Cli   | ent Sample II       | D: M          | W-1                  |        |
|------------------------------------|-----------------|-------|---------------------|---------------|----------------------|--------|
| <b>Project:</b> Lateral 2C 15 Sump |                 | C     | Collection Dat      | <b>e:</b> 4/2 | 20/2023 2:00:00 PM   |        |
| Lab ID: 2304931-008                | Matrix: AQUEOUS |       | <b>Received Dat</b> | <b>e:</b> 4/2 | 21/2023 6:30:00 AM   |        |
| Analyses                           | Result          | RL    | Qual Units          | DF            | Date Analyzed        | Batch  |
| EPA METHOD 8021B: VOLATILES        |                 |       |                     |               | Analys               | t: JJP |
| Benzene                            | 450             | 5.0   | µg/L                | 5             | 4/26/2023 8:31:33 PM | BW9631 |
| Toluene                            | 340             | 5.0   | µg/L                | 5             | 4/26/2023 8:31:33 PM | BW9631 |
| Ethylbenzene                       | ND              | 5.0   | µg/L                | 5             | 4/26/2023 8:31:33 PM | BW9631 |
| Xylenes, Total                     | 1700            | 100   | µg/L                | 50            | 4/28/2023 2:49:50 AM | BW9631 |
| Surr: 4-Bromofluorobenzene         | 104 7           | 0-130 | %Rec                | 5             | 4/26/2023 8:31:33 PM | BW9631 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- JAnalyte detected below quantitation limitsPSample pH Not In Range
- RL Reporting Limit
- KL K

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# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| 2304931   | WO#: |
|-----------|------|
| 28-Apr-23 |      |

Client:ENSOLUMProject:Lateral 2C 15 Sump

| Sample ID:   | 100ng btex lcs   | Samp   | Гуре: <b>LC</b> :  | S   | Tes  | tCode: EF  | PA Method   | 8021B: Volati  | les   |  |      |
|--|--|--|--|---|--|--|---|--|---|--|------|
| Client ID:   | LCSW   | Batc   | h ID: <b>BW</b>  | 96311   | F  | RunNo: <b>96</b>   | 6311  |  |   |  |      |
| Prep Date:   |  | Analysis [   | Date: 4/2  | 26/2023   | 5  | SeqNo: 34  | 488258  | Units: µg/L  |   |  |      |
| Analyte  |  | Result   | PQL  | SPK value   | SPK Ref Val  | %REC   | LowLimit  | HighLimit  | %RPD  | RPDLimit   | Qual |
| Benzene  |  | 19   | 1.0  | 20.00   | 0  | 92.7   | 70  | 130  |   |  |      |
| Toluene  |  | 19   | 1.0  | 20.00   | 0  | 94.4   | 70  | 130  |   |  |      |
| Ethylbenzene   |  | 19   | 1.0  | 20.00   | 0  | 93.7   | 70  | 130  |   |  |      |
| Xylenes, Total   |  | 57   | 2.0  | 60.00   | 0  | 94.5   | 70  | 130  |   |  |      |
| Surr: 4-Bron   | nofluorobenzene  | 20   |  | 20.00   |  | 100  | 70  | 130  |   |  |      |
| Sample ID:   | mb   | Samp   | Гуре: <b>МВ</b>  | LK  | Tes  | tCode: EF  | PA Method   | 8021B: Volati  | les   |  |      |
| Client ID:   | PBW  | Batc   | h ID: BW   | 96311   | F  | RunNo: <b>96</b>   | 6311  |  |   |  |      |
| Prep Date:   |  | Analysis [   | Date: 4/2  | 26/2023   | S  | SeqNo: 34  | 488259  | Units: µg/L  |   |  |      |
| Analyte  |  | Result   | PQL  | SPK value   | SPK Ref Val  | %REC   | LowLimit  | HighLimit  | %RPD  | RPDLimit   | Qual |
| Benzene  |  | ND   | 1.0  |   |  |  |   |  |   |  |      |
| Toluene  |  | ND   | 1.0  |   |  |  |   |  |   |  |      |
| Ethylbenzene   |  | ND   | 1.0  |   |  |  |   |  |   |  |      |
| Xylenes, Total   |  | ND   | 2.0  |   |  |  |   |  |   |  |      |
| Surr: 4-Bron   | nofluorobenzene  | 18   |  | 20.00   |  | 92.3   | 70  | 130  |   |  |      |
|  |  |  |  |   |  |  |   |  |   |  |      |
| Sample ID:   | 2304931-001ams   | Samp   | Гуре: <b>МЅ</b>  | i   | Tes  | tCode: EF  | PA Method   | 8021B: Volati  | les   |  |      |
| Sample ID:<br>Client ID:   | 2304931-001ams<br>MW-11  | Samp <sup>-</sup><br>Batc  | Гуре: <b>МS</b><br>h ID: <b>BW</b>   | 96311   | Tes<br>F   | tCode: <b>EF</b><br>RunNo: <b>96</b>   | PA Method<br>6311   | 8021B: Volati  | les   |  |      |
| Sample ID:<br>Client ID:<br>Prep Date:   | 2304931-001ams<br>MW-11  | Samp <sup>-</sup><br>Batc<br>Analysis [  | Гуре: <b>MS</b><br>h ID: <b>BW</b><br>Date: <b>4/2</b>   | /96311<br>26/2023   | Tes<br>F   | tCode: EF<br>RunNo: 96<br>SeqNo: 34  | PA Method<br>5311<br>488765   | 8021Β: Volati<br>Units: μg/L   | les   |  |      |
| Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte  | 2304931-001ams<br>MW-11  | Samp<br>Batc<br>Analysis I<br>Result   | Гуре: <b>MS</b><br>h ID: <b>BW</b><br>Date: <b>4/2</b><br>PQL  | <b>/96311</b><br>26/2023<br>SPK value   | Tes<br>F<br>SPK Ref Val  | tCode: EF<br>RunNo: 96<br>SeqNo: 34<br>%REC  | PA Method<br>5311<br>488765<br>LowLimit   | <b>8021Β: Volati</b><br>Units: μ <b>g/L</b><br>HighLimit   | les<br>%RPD   | RPDLimit   | Qual |
| Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte<br>Benzene   | 2304931-001ams<br>MW-11  | Samp<br>Batc<br>Analysis I<br>Result<br>19   | Type: <b>MS</b><br>h ID: <b>BW</b><br>Date: <b>4/2</b><br>PQL<br>1.0   | 26/2023<br>SPK value<br>20.00   | Tes<br>F<br>SPK Ref Val<br>0   | tCode: EF<br>RunNo: 96<br>SeqNo: 34<br>%REC<br>94.1  | PA Method<br>6311<br>188765<br>LowLimit<br>70   | <b>8021Β: Volati</b><br>Units: μ <b>g/L</b><br>HighLimit<br>130  | les<br>%RPD   | RPDLimit   | Qual |
| Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene  | 2304931-001ams<br>MW-11  | Samp<br>Batc<br>Analysis I<br>Result<br>19<br>19   | Type: <b>MS</b><br>h ID: <b>BW</b><br>Date: <b>4/2</b><br>PQL<br>1.0<br>1.0  | <b>26/2023</b><br>SPK value<br>20.00<br>20.00   | Tes<br>F<br>SPK Ref Val<br>0<br>0  | tCode: EF<br>RunNo: 96<br>SeqNo: 34<br>%REC<br>94.1<br>96.1  | PA Method<br>5311<br>488765<br>LowLimit<br>70<br>70   | 8021B: Volati<br>Units: μg/L<br>HighLimit<br>130<br>130  | les<br>%RPD   | RPDLimit   | Qual |
| Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene  | 2304931-001ams<br>MW-11  | Samp<br>Batc<br>Analysis I<br>Result<br>19<br>19<br>19   | Type: <b>MS</b><br>h ID: <b>BW</b><br>Date: <b>4/2</b><br>PQL<br>1.0<br>1.0<br>1.0   | 296311<br>26/2023<br>SPK value<br>20.00<br>20.00<br>20.00<br>20.00  | Tes<br>F<br>SPK Ref Val<br>0<br>0<br>0   | tCode: <b>EF</b><br>RunNo: <b>96</b><br>SeqNo: <b>3</b> 4<br><u>%REC</u><br>94.1<br>96.1<br>95.2   | PA Method<br>6311<br>488765<br>LowLimit<br>70<br>70<br>70<br>70                                     | 8021B: Volati<br>Units: μg/L<br>HighLimit<br>130<br>130<br>130   | les<br>%RPD   | RPDLimit   | Qual |
| Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene<br>Xylenes, Total  | 2304931-001ams<br>MW-11  | Samp<br>Batc<br>Analysis I<br>Result<br>19<br>19<br>19<br>58   | Type: <b>MS</b><br>h ID: <b>BW</b><br>Date: <b>4/2</b><br>PQL<br>1.0<br>1.0<br>1.0<br>2.0  | 296311<br>26/2023<br>SPK value<br>20.00<br>20.00<br>20.00<br>60.00  | Tes<br>F<br>SPK Ref Val<br>0<br>0<br>0<br>0<br>0   | ttCode: <b>EF</b><br>RunNo: <b>96</b><br>SeqNo: <b>34</b><br>%REC<br>94.1<br>96.1<br>95.2<br>96.9  | PA Method<br>5311<br>488765<br>LowLimit<br>70<br>70<br>70<br>70<br>70<br>70<br>70                   | 8021B: Volati<br>Units: μg/L<br>HighLimit<br>130<br>130<br>130<br>130  | les<br>%RPD   | RPDLimit   | Qual |
| Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene<br>Xylenes, Total<br>Surr: 4-Bron  | 2304931-001ams<br>MW-11<br>nofluorobenzene                             | Samp<br>Batc<br>Analysis I<br>Result<br>19<br>19<br>19<br>58<br>20   | Type: <b>MS</b><br>h ID: <b>BW</b><br>Date: <b>4/2</b><br>PQL<br>1.0<br>1.0<br>1.0<br>2.0  | 296311<br>26/2023<br>SPK value<br>20.00<br>20.00<br>20.00<br>60.00<br>20.00   | Tes<br>F<br>SPK Ref Val<br>0<br>0<br>0<br>0<br>0<br>0                                      | tCode: EF<br>RunNo: 96<br>SeqNo: 34<br>%REC<br>94.1<br>96.1<br>95.2<br>96.9<br>97.9  | PA Method<br>5311<br>488765<br>LowLimit<br>70<br>70<br>70<br>70<br>70<br>70<br>70<br>70<br>70       | 8021B: Volati<br>Units: μg/L<br>HighLimit<br>130<br>130<br>130<br>130<br>130<br>130  | les<br>%RPD   | RPDLimit   | Qual |
| Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene<br>Xylenes, Total<br>Surr: 4-Bron<br>Sample ID:  | 2304931-001ams<br>MW-11<br>hofluorobenzene<br>2304931-001amsd          | Samp<br>Batc<br>Analysis I<br>Result<br>19<br>19<br>19<br>58<br>20<br>Samp   | Type: <b>MS</b><br>h ID: <b>BW</b><br>Date: <b>4/2</b><br>PQL<br>1.0<br>1.0<br>1.0<br>2.0<br>Type: <b>MS</b>   | 296311<br>26/2023<br>20.00<br>20.00<br>20.00<br>60.00<br>20.00<br>00<br>20.00   | Tes<br>F<br>SPK Ref Val<br>0<br>0<br>0<br>0<br>0<br>Tes                                    | ttCode: EF<br>RunNo: 96<br>SeqNo: 34<br>%REC<br>94.1<br>96.1<br>95.2<br>96.9<br>97.9<br>ttCode: EF   | PA Method<br>5311<br>488765<br>LowLimit<br>70<br>70<br>70<br>70<br>70<br>70<br>70<br>70<br>70<br>70 | 8021B: Volati<br>Units: μg/L<br>HighLimit<br>130<br>130<br>130<br>130<br>130<br>8021B: Volati  | les<br>%RPD   | RPDLimit   | Qual |
| Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene<br>Xylenes, Total<br>Surr: 4-Bron<br>Sample ID:<br>Client ID:  | 2304931-001ams<br>MW-11<br>nofluorobenzene<br>2304931-001amsd<br>MW-11 | Samp<br>Batc<br>Analysis I<br>Result<br>19<br>19<br>19<br>19<br>58<br>20<br>Samp<br>Batc   | Type: <b>MS</b><br>h ID: <b>BW</b><br>Date: <b>4/2</b><br>PQL<br>1.0<br>1.0<br>2.0<br>Type: <b>MS</b><br>h ID: <b>BW</b>                                   | 296311<br>26/2023<br>SPK value<br>20.00<br>20.00<br>20.00<br>60.00<br>20.00<br>D<br>20.00   | Tes<br>F<br>SPK Ref Val<br>0<br>0<br>0<br>0<br>0<br>0<br>Tes<br>F                          | tCode: EF<br>RunNo: 96<br>SeqNo: 34<br>%REC<br>94.1<br>96.1<br>95.2<br>96.9<br>97.9<br>tCode: EF<br>RunNo: 96  | PA Method<br>5311<br>488765<br>LowLimit<br>70<br>70<br>70<br>70<br>70<br>70<br>70<br>70<br>70<br>70 | 8021B: Volati<br>Units: μg/L<br>HighLimit<br>130<br>130<br>130<br>130<br>130<br>3021B: Volati  | les<br>%RPD   | RPDLimit   | Qual |
| Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene<br>Xylenes, Total<br>Surr: 4-Bron<br>Sample ID:<br>Client ID:<br>Prep Date:  | 2304931-001ams<br>MW-11<br>nofluorobenzene<br>2304931-001amsd<br>MW-11 | Samp<br>Batc<br>Analysis I<br>Result<br>19<br>19<br>19<br>58<br>20<br>Samp<br>Batc<br>Analysis I   | Type: <b>MS</b><br>h ID: <b>BW</b><br>Date: <b>4/2</b><br>PQL<br>1.0<br>1.0<br>1.0<br>2.0<br>Type: <b>MS</b><br>h ID: <b>BW</b><br>Date: <b>4/2</b>        | 296311<br>26/2023<br>20.00<br>20.00<br>20.00<br>20.00<br>60.00<br>20.00<br>20.00<br>20.00<br>20.00<br>20.00   | Tes<br>F<br>SPK Ref Val<br>0<br>0<br>0<br>0<br>0<br>Tes<br>F                               | ttCode: EF<br>RunNo: 96<br>SeqNo: 34<br>%REC<br>94.1<br>96.1<br>95.2<br>96.9<br>97.9<br>ttCode: EF<br>RunNo: 96<br>SeqNo: 34   | PA Method<br>5311<br>488765<br>LowLimit<br>70<br>70<br>70<br>70<br>70<br>70<br>70<br>70<br>70<br>70 | 8021B: Volati<br>Units: μg/L<br>HighLimit<br>130<br>130<br>130<br>130<br>30<br>8021B: Volati<br>Units: μg/L  | les<br>%RPD   | RPDLimit   | Qual |
| Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene<br>Xylenes, Total<br>Surr: 4-Bron<br>Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte   | 2304931-001ams<br>MW-11<br>hofluorobenzene<br>2304931-001amsd<br>MW-11 | Samp<br>Batc<br>Analysis I<br>Result<br>19<br>19<br>19<br>58<br>20<br>Samp<br>Batc<br>Analysis I<br>Result                               | Type: <b>MS</b><br>h ID: <b>BW</b><br>Date: <b>4/2</b><br>PQL<br>1.0<br>1.0<br>1.0<br>2.0<br>Type: <b>MS</b><br>h ID: <b>BW</b><br>Date: <b>4/2</b><br>PQL | 296311<br>26/2023<br>SPK value<br>20.00<br>20.00<br>20.00<br>60.00<br>20.00<br>D<br>96311<br>26/2023<br>SPK value   | Tes<br>F<br>SPK Ref Val<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>5<br>F<br>SPK Ref Val   | ttCode: EF<br>RunNo: 96<br>SeqNo: 34<br>%REC<br>94.1<br>96.1<br>95.2<br>96.9<br>97.9<br>97.9<br>ttCode: EF<br>RunNo: 96<br>SeqNo: 34<br>%REC                         | PA Method<br>5311<br>188765<br>LowLimit<br>70<br>70<br>70<br>70<br>70<br>70<br>70<br>70<br>70<br>70 | 8021B: Volati<br>Units: μg/L<br>HighLimit<br>130<br>130<br>130<br>130<br>3021B: Volati<br>Units: μg/L<br>HighLimit   | les<br>%RPD<br>les<br>%RPD                                  | RPDLimit   | Qual |
| Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene<br>Xylenes, Total<br>Surr: 4-Bron<br>Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte<br>Benzene  | 2304931-001ams<br>MW-11<br>hofluorobenzene<br>2304931-001amsd<br>MW-11 | Samp<br>Batc<br>Analysis I<br>19<br>19<br>19<br>58<br>20<br>Samp<br>Batc<br>Analysis I<br>Result<br>18                                   | Type: MS<br>h ID: BW<br>Date: 4/2<br>PQL<br>1.0<br>1.0<br>1.0<br>2.0<br>Type: MS<br>h ID: BW<br>Date: 4/2<br>PQL<br>1.0                                    | 296311<br>26/2023<br>SPK value<br>20.00<br>20.00<br>20.00<br>60.00<br>20.00<br>D<br>296311<br>26/2023<br>SPK value<br>20.00   | Tes<br>F<br>SPK Ref Val<br>0<br>0<br>0<br>0<br>0<br>Tes<br>F<br>SPK Ref Val<br>0           | ttCode: EF<br>RunNo: 96<br>SeqNo: 34<br>%REC<br>94.1<br>96.1<br>95.2<br>96.9<br>97.9<br>ttCode: EF<br>RunNo: 96<br>SeqNo: 34<br>%REC<br>90.7                         | PA Method<br>5311<br>188765<br>LowLimit<br>70<br>70<br>70<br>70<br>70<br>70<br>70<br>70<br>70<br>70 | 8021B: Volati<br>Units: μg/L<br>HighLimit<br>130<br>130<br>130<br>130<br>8021B: Volati<br>Units: μg/L<br>HighLimit<br>130                                    | les<br>%RPD<br>les<br>%RPD<br>3.73                          | RPDLimit<br>RPDLimit<br>20                               | Qual |
| Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene<br>Xylenes, Total<br>Surr: 4-Bron<br>Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene                                   | 2304931-001ams<br>MW-11<br>nofluorobenzene<br>2304931-001amsd<br>MW-11 | Samp<br>Batc<br>Analysis I<br>Result<br>19<br>19<br>19<br>58<br>20<br>Samp<br>Batc<br>Analysis I<br>Result<br>18<br>19                   | Type: MS<br>h ID: BW<br>Date: 4/2<br>PQL<br>1.0<br>1.0<br>1.0<br>2.0<br>Type: MS<br>h ID: BW<br>Date: 4/2<br>PQL<br>1.0<br>1.0<br>1.0                      | 296311<br>26/2023<br>SPK value<br>20.00<br>20.00<br>20.00<br>20.00<br>20.00<br>20.00<br>20.00<br>20.00<br>20.00<br>20.00<br>20.00<br>20.00  | Tes<br>F<br>SPK Ref Val<br>0<br>0<br>0<br>0<br>Tes<br>F<br>SPK Ref Val<br>0<br>0           | ttCode: EF<br>RunNo: 96<br>SeqNo: 34<br>94.1<br>96.1<br>95.2<br>96.9<br>97.9<br>ttCode: EF<br>RunNo: 96<br>SeqNo: 34<br>%REC<br>90.7<br>93.3                         | PA Method<br>5311<br>488765<br>LowLimit<br>70<br>70<br>70<br>70<br>70<br>70<br>70<br>70<br>70<br>70 | 8021B: Volati<br>Units: μg/L<br>HighLimit<br>130<br>130<br>130<br>130<br>8021B: Volati<br>Units: μg/L<br>HighLimit<br>130<br>130                             | les<br>%RPD<br>les<br>%RPD<br>3.73<br>3.00                  | RPDLimit<br>RPDLimit<br>20<br>20                         | Qual |
| Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene<br>Xylenes, Total<br>Surr: 4-Bron<br>Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene                   | 2304931-001ams<br>MW-11<br>hofluorobenzene<br>2304931-001amsd<br>MW-11 | Samp<br>Batc<br>Analysis I<br>Result<br>19<br>19<br>19<br>58<br>20<br>Samp<br>Batc<br>Analysis I<br>Result<br>18<br>19<br>19             | Type: MS<br>h ID: BW<br>Date: 4/2<br>PQL<br>1.0<br>1.0<br>1.0<br>2.0<br>Type: MS<br>h ID: BW<br>Date: 4/2<br>PQL<br>1.0<br>1.0<br>1.0<br>1.0               | 296311<br>26/2023<br>20.00<br>20.00<br>20.00<br>20.00<br>20.00<br>20.00<br>20.00<br>20.00<br>20.00<br>20.00<br>20.00<br>20.00<br>20.00<br>20.00<br>20.00                            | Tes<br>F<br>SPK Ref Val<br>0<br>0<br>0<br>0<br>0<br>Tes<br>SPK Ref Val<br>0<br>0<br>0<br>0 | ttCode: EF<br>RunNo: 96<br>SeqNo: 34<br>96.1<br>96.1<br>95.2<br>96.9<br>97.9<br>ttCode: EF<br>RunNo: 96<br>SeqNo: 34<br>%REC<br>90.7<br>93.3<br>94.4                 | PA Method<br>5311<br>488765<br>LowLimit<br>70<br>70<br>70<br>70<br>70<br>70<br>70<br>70<br>70<br>70 | 8021B: Volati<br>Units: μg/L<br>HighLimit<br>130<br>130<br>130<br>130<br>30<br>8021B: Volati<br>Units: μg/L<br>HighLimit<br>130<br>130<br>130                | les<br>%RPD<br>les<br>%RPD<br>3.73<br>3.00<br>0.844         | RPDLimit<br>RPDLimit<br>20<br>20<br>20<br>20             | Qual |
| Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene<br>Xylenes, Total<br>Surr: 4-Bron<br>Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene<br>Xylenes, Total | 2304931-001ams<br>MW-11<br>2304931-001amsd<br>MW-11                    | Samp<br>Batc<br>Analysis I<br>Result<br>19<br>19<br>19<br>58<br>20<br>Samp<br>Batc<br>Analysis I<br>Result<br>18<br>19<br>19<br>19<br>57 | Type: MS<br>h ID: BW<br>Date: 4/2<br>PQL<br>1.0<br>1.0<br>1.0<br>2.0<br>Type: MS<br>h ID: BW<br>Date: 4/2<br>PQL<br>1.0<br>1.0<br>1.0<br>1.0<br>2.0        | 296311<br>26/2023<br>20.00<br>20.00<br>20.00<br>60.00<br>20.00<br>20.00<br>20.00<br>20.00<br>20.00<br>20.00<br>20.00<br>20.00<br>20.00<br>20.00<br>20.00<br>20.00<br>20.00<br>20.00 | Tes<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5                       | ttCode: EF<br>RunNo: 96<br>SeqNo: 34<br>%REC<br>94.1<br>96.1<br>95.2<br>96.9<br>97.9<br>ttCode: EF<br>RunNo: 96<br>SeqNo: 34<br>%REC<br>90.7<br>93.3<br>94.4<br>95.6 | PA Method<br>5311<br>488765<br>LowLimit<br>70<br>70<br>70<br>70<br>70<br>70<br>70<br>70<br>70<br>70 | 8021B: Volati<br>Units: μg/L<br>HighLimit<br>130<br>130<br>130<br>130<br>130<br>300<br>8021B: Volati<br>Units: μg/L<br>HighLimit<br>130<br>130<br>130<br>130 | les<br>%RPD<br>les<br>%RPD<br>3.73<br>3.00<br>0.844<br>1.42 | RPDLimit<br>RPDLimit<br>20<br>20<br>20<br>20<br>20<br>20 | Qual |

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Received by OCD: 1/12/2024 7:25:31 AM

Page 1 of 1

HALL ENVIRONMENTAL ANALYSIS LABORATORY Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

### Sample Log-In Check List

| Client Name:                             | ENSOLUM                      |                                | Work             | Order Num  | ber: 230   | 4931         |   |              | RcptNo:        | 1               |
|--|------------------------------|--------------------------------|------------------|------------|------------|--------------|---|--------------|----------------|-----------------|
| Received By:                             | Tracy Cas                    | arrubias                       | 4/21/20          | 23 6:30:00 | АМ         |              |   |              |                |                 |
| Completed By:                            | Tracy Cas                    | arrubias                       | 4/21/20          | 23 10:39:3 | 9 AM       |              |   |              |                |                 |
| Reviewed By:                             | 7n 4/                        | 21/23                          |                  |            |            |              |   |              |                |                 |
| Chain of Cust                            | ody                          |                                |                  |            |            |              |   |              |                |                 |
| Is Chain of Cu                           | stody comp                   | lete?                          |                  |            | Yes        |              | No  | $\checkmark$ | Not Present    |                 |
| How was the s                            | ample deliv                  | ered?                          |                  |            | <u>Cou</u> | rier         |   |              |                |                 |
| <b>Log In</b><br>3. Was an attemp        | ot made to o                 | cool the samp                  | bles?            |            | Yes        |              | No  |              | NA 🗌           |                 |
| . Were all sampl                         | les received                 | at a tempera                   | ature of >0° C   | to 6.0°C   | Yes        |              | No  |              | NA 🗌           |                 |
| 5. Sample(s) in p                        | roper conta                  | iner(s)?                       |                  |            | Yes        |              | No  |              |                |                 |
| Sufficient samp                          | ole volume f                 | or indicated t                 | est(s)?          |            | Yes        |              | No  |              |                |                 |
| ′. Are samples (e                        | xcept VOA                    | and ONG) pr                    | operly preserve  | ed?        | Yes        | $\checkmark$ | No  |              |                |                 |
| <ol> <li>Was preservati</li> </ol>       | ive added to                 | bottles?                       |                  |            | Yes        |              | No  | $\checkmark$ | NA 🗌           |                 |
| . Received at lea                        | ast 1 vial wit               | h headspace                    | <1/4" for AQ \   | /OA?       | Yes        | $\checkmark$ | No  |              |                |                 |
| 0. Were any sam                          | ple containe                 | ers received t                 | oroken?          |            | Yes        |              | No  |              | # of preserved | /               |
| 1. Does paperwor<br>(Note discrepar      | k match bo<br>ncies on cha   | ttle labels?<br>ain of custody | 1)               |            | Yes        | ✓            | No  |              | for pH:        | 12 unless noted |
| 2. Are matrices co                       | prrectly iden                | tified on Cha                  | in of Custody?   |            | Yes        |              | No  |              | Adjusted?      |                 |
| ] Is it clear what                       | analyses we                  | ere requested                  | 1?               |            | Yes        | $\checkmark$ | No  |              |                |                 |
| 4. Were all holding<br>(If no, notify cu | g times able<br>stomer for a | e to be met?<br>uthorization.) | )                |            | Yes        |              | No  |              | Checked by:    | 6 4212          |
| pecial Handli                            | ng (if app                   | licable)                       |                  |            |            |              |   |              |                |                 |
| 5. Was client not                        | ified of all d               | screpancies                    | with this order? | >          | Yes        |              | No  |              | NA 🗹           |                 |
| Person N                                 | Notified:                    | [                              |                  | Date       | :          |              | 477 ( X.) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( | -            |                |                 |
| By Whor                                  | n:                           |                                |                  | Via:       | eMa        | ail 🗌        | ] Phone   | Fax          | In Person      |                 |
| Regardin<br>Client Ins                   | ig:<br>structions:           | Phone numb                     | er missing on    | COC- TMC   | 4/21/23    |              |   |              |                |                 |
| 6. Additional rem                        | narks:                       |                                |                  |            |            | torront:     |   |              |                |                 |
| 7. Cooler Inform                         | nation                       |                                |                  |            |            |              |   |              |                |                 |
| Cooler No                                | Temp °C                      | Condition                      | Seal Intact      | Seal No    | Seal D     | ate          | Signed B  | Y            |                |                 |
| 1  | 2.2                          | Good                           | Yes              | Morty      |            |              |   |              |                |                 |

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| Climit of Custody Record   |  |   |
| Citeria En Salviera LLC  | X Standard Rush                                    | HALL ENVIRONMENTAL  |
|  | Project Name:                                      | ANALYSIS LABORATORY   |
| Mailing Address: Colo C. Pro Control Mailing                           | Laberal 20-15 Sume                                 | www.hallenvironmental.com   |
| ATAC, NN STUO  | Project #:   | 4901 Hawkins NE - Albuquerque, NM 87109   |
| Phone #:   | 531726105  | Tel. 505-345-3975 Fax 505-345-4107  |
| email or Fax#: KS ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~                  | Project Manager:                                   | Analysis Kequest  |
| QA/QC Package:   |  | SO,<br>sent)<br>sent)<br>s'<br>s'<br>s<br>SO,<br>s'<br>s<br>SO,<br>s'<br>s<br>SO,<br>s'<br>s'<br>s'<br>s'<br>s'<br>s'<br>s'<br>s'<br>s'<br>s'<br>s'<br>s'<br>s'   |
| Standard Level 4 (Full Validation)                                     | K. Sumer   | 5 (80<br>2004<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>100  |
| Accreditation:   | Sampler: L. Daniell                                | 1022 F<br>1023 F<br>1025 F<br>1025 F<br>105<br>F<br>105<br>F<br>105<br>F<br>105<br>F<br>105<br>F<br>105<br>F<br>105<br>F<br>105<br>F<br>105<br>F<br>105 |
| EDD (Type)   | # of Contars: 1                                    | es/E<br>(Pri<br>(Pri<br>(Pri  |
|  | Cooler Temp(Including CF); 2. 1 + 0. 1 - 2. 2 (°C) | ATB<br>Meta<br>Meta<br>Meta<br>Meta<br>Meta<br>Meta   |
|  |  | VO<br>Ser<br>by<br>by<br>by<br>by<br>by<br>by<br>by<br>by<br>by   |
| Date Trime Matrix Sample Name  | Container Preservative HEAL No.<br>Type and # Type | TEX<br>8:PH<br>081 1<br>082 1<br>1<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7  |
| 4/20/23 9:50 cv NW-11  | Schulden and An An An                              | Т<br>С<br>В<br>С<br>В<br>С<br>В<br>С<br>В<br>С<br>В<br>С<br>В<br>С<br>В<br>С<br>В<br>С<br>В<br>С  |
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| TIMA AS CS-W TIM   | 200  |   |
| 12 12 12 12 12 12 12 12 12 12 12 12 12 1                               | 003  |   |
| Heles 11:45 w NW- 13-13  | 004  |   |
| How Till u MW-B  | SUN)   |   |
| <- MM 13:42 12:42  | 0010   |   |
| 6-MM M 52:52 100 MM-9  | tou  |   |
| 1/2/23 14:00 W N/W -)  | 800  |   |
| a fight  |  |   |
|  |  |   |
|  |  |   |
|  |  |   |
| Date: Time: Relinquished by:   | Received by Via: Date Time R                       | emarks:   |
| Polo   | LUCI Scholp DOWNUS                                 |   |
| Whow 1270 Keinquished by:  | eceived by: Via: Court Date Time                   | Bill to Ensoluer  |
| If necessary, samples submitted to Hall Environmental mouths submitted | 4/21/23  |   |

hay be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report. Released to Imaging: 4/2/2024 1:23:18 PM

Page 95 of 138



July 20, 2023

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX:

RE: Lateral 2C 15 Sump

OrderNo.: 2307473

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 6 sample(s) on 7/12/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

**Analytical Report** 

|--|

Lab Order 2307473

Date Reported: 7/20/2023

| CLIENT: ENSOLUM             |                 | Cl                                      | ient Sample II        | <b>D:</b> M  | W-8                  |         |
|-----------------------------|-----------------|---|-----------------------|--------------|----------------------|---------|
| Project: Lateral 2C 15 Sump |                 | (                                       | <b>Collection Dat</b> | <b>e:</b> 7/ | 11/2023 10:20:00 AM  |         |
| Lab ID: 2307473-001         | Matrix: AQUEOUS | Matrix: AQUEOUS Received Date: 7/12/202 |                       |              |                      |         |
| Analyses                    | Result          | RL                                      | Qual Units            | DF           | Date Analyzed        | Batch   |
| EPA METHOD 8260B: VOLATILES | SHORT LIST      |   |                       |              | Analyst              | CCM     |
| Benzene                     | ND              | 1.0                                     | µg/L                  | 1            | 7/17/2023 5:18:00 PM | SL98240 |
| Toluene                     | ND              | 1.0                                     | μg/L                  | 1            | 7/17/2023 5:18:00 PM | SL98240 |
| Ethylbenzene                | ND              | 1.0                                     | μg/L                  | 1            | 7/17/2023 5:18:00 PM | SL98240 |
| Xylenes, Total              | ND              | 1.5                                     | μg/L                  | 1            | 7/17/2023 5:18:00 PM | SL98240 |
| Surr: 1,2-Dichloroethane-d4 | 112 7           | 0-130                                   | %Rec                  | 1            | 7/17/2023 5:18:00 PM | SL98240 |
| Surr: Dibromofluoromethane  | 115 7           | 0-130                                   | %Rec                  | 1            | 7/17/2023 5:18:00 PM | SL98240 |
| Surr: Toluene-d8            | 112 7           | 0-130                                   | %Rec                  | 1            | 7/17/2023 5:18:00 PM | SL98240 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р RL Reporting Limit

Page 1 of 7

Analytical Report
Lab Order 2307473

| Hall Environmental Ana | lvsis La | boratory. | Inc. |
|------------------------|----------|-----------|------|
|------------------------|----------|-----------|------|

Lab Order 2307473 Date Reported: 7/20/2023

| CLIENT: ENSOLUM Client Sample ID: MW-7 |                      |                 |  |            |    |                      |         |  |  |
|--|----------------------|-----------------|--|------------|----|----------------------|---------|--|--|
| Project:                               | Lateral 2C 15 Sump   |                 | Collection Date: 7/11/2023 10:55:00 AM             |            |    |                      |         |  |  |
| Lab ID:                                | 2307473-002          | Matrix: AQUEOUS | Matrix: AQUEOUS Received Date: 7/12/2023 6:15:00 A |            |    |                      |         |  |  |
| Analyses                               |                      | Result          | RL   | Qual Units | DF | Date Analyzed        | Batch   |  |  |
| EPA METH                               | HOD 8260B: VOLATILES | SHORT LIST      |  |            |    | Analysi              | CCM     |  |  |
| Benzene                                |                      | ND              | 1.0  | µg/L       | 1  | 7/17/2023 5:43:00 PM | SL98240 |  |  |
| Toluene                                |                      | ND              | 1.0  | µg/L       | 1  | 7/17/2023 5:43:00 PM | SL98240 |  |  |
| Ethylbenze                             | ene                  | ND              | 1.0  | µg/L       | 1  | 7/17/2023 5:43:00 PM | SL98240 |  |  |
| Xylenes, T                             | otal                 | ND              | 1.5  | µg/L       | 1  | 7/17/2023 5:43:00 PM | SL98240 |  |  |
| Surr: 1,2                              | 2-Dichloroethane-d4  | 117 7           | 70-130   | %Rec       | 1  | 7/17/2023 5:43:00 PM | SL98240 |  |  |
| Surr: Di                               | ibromofluoromethane  | 117 7           | 70-130   | %Rec       | 1  | 7/17/2023 5:43:00 PM | SL98240 |  |  |
| Surr: To                               | oluene-d8            | 108 7           | 70-130   | %Rec       | 1  | 7/17/2023 5:43:00 PM | SL98240 |  |  |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated ValueJ Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 7

**Analytical Report** Lab Order 2307473

| Hall | Environme | ental An | alysis I | Laboratory | , Inc. |
|------|-----------|----------|----------|------------|--------|
|      |           |          | •        | •/         |        |

Date Reported: 7/20/2023

| CLIENT: ENSOLUM             |                 | Cl  | ient Sample II | D: M         | W-6                  |         |  |
|-----------------------------|-----------------|---|----------------|--------------|----------------------|---------|--|
| Project: Lateral 2C 15 Sump |                 | (   | Collection Dat | <b>e:</b> 7/ | 11/2023 11:25:00 AM  |         |  |
| Lab ID: 2307473-003         | Matrix: AQUEOUS | Matrix: AQUEOUS Received Date: 7/12/2023 6:15:00 AM |                |              |                      |         |  |
| Analyses                    | Result          | RL  | Qual Units     | DF           | Date Analyzed        | Batch   |  |
| EPA METHOD 8260B: VOLATIL   | ES SHORT LIST   |   |                |              | Analyst              | CCM     |  |
| Benzene                     | ND              | 1.0   | µg/L           | 1            | 7/17/2023 6:08:00 PM | SL98240 |  |
| Toluene                     | ND              | 1.0   | μg/L           | 1            | 7/17/2023 6:08:00 PM | SL98240 |  |
| Ethylbenzene                | ND              | 1.0   | μg/L           | 1            | 7/17/2023 6:08:00 PM | SL98240 |  |
| Xylenes, Total              | ND              | 1.5   | μg/L           | 1            | 7/17/2023 6:08:00 PM | SL98240 |  |
| Surr: 1,2-Dichloroethane-d4 | 118 7           | 0-130   | %Rec           | 1            | 7/17/2023 6:08:00 PM | SL98240 |  |
| Surr: Dibromofluoromethane  | 118 7           | 0-130   | %Rec           | 1            | 7/17/2023 6:08:00 PM | SL98240 |  |
| Surr: Toluene-d8            | 108 7           | 0-130   | %Rec           | 1            | 7/17/2023 6:08:00 PM | SL98240 |  |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank В
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- RL Reporting Limit

Page 3 of 7

**Analytical Report** 

Lab Order 2307473

Date Reported: 7/20/2023

| CLIENT: ENSOLUM             |                 | Cl   | ient Sample I | D: M | W-10                 |         |  |  |  |
|-----------------------------|-----------------|--|---------------|------|----------------------|---------|--|--|--|
| Project: Lateral 2C 15 Sump |                 | Collection Date: 7/11/2023 12:00:00 PM             |               |      |                      |         |  |  |  |
| Lab ID: 2307473-004         | Matrix: AQUEOUS | Matrix: AQUEOUS Received Date: 7/12/2023 6:15:00 A |               |      |                      |         |  |  |  |
| Analyses                    | Result          | RL   | Qual Units    | DF   | Date Analyzed        | Batch   |  |  |  |
| EPA METHOD 8260B: VOLATILES | SHORT LIST      |  |               |      | Analysi              | : CCM   |  |  |  |
| Benzene                     | ND              | 1.0  | µg/L          | 1    | 7/17/2023 6:33:00 PM | SL98240 |  |  |  |
| Toluene                     | ND              | 1.0  | µg/L          | 1    | 7/17/2023 6:33:00 PM | SL98240 |  |  |  |
| Ethylbenzene                | ND              | 1.0  | µg/L          | 1    | 7/17/2023 6:33:00 PM | SL98240 |  |  |  |
| Xylenes, Total              | ND              | 1.5  | µg/L          | 1    | 7/17/2023 6:33:00 PM | SL98240 |  |  |  |
| Surr: 1,2-Dichloroethane-d4 | 118 7           | 0-130  | %Rec          | 1    | 7/17/2023 6:33:00 PM | SL98240 |  |  |  |
| Surr: Dibromofluoromethane  | 117 7           | 0-130  | %Rec          | 1    | 7/17/2023 6:33:00 PM | SL98240 |  |  |  |
| Surr: Toluene-d8            | 107 7           | 0-130  | %Rec          | 1    | 7/17/2023 6:33:00 PM | SL98240 |  |  |  |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р RL Reporting Limit

Page 4 of 7

**Analytical Report** Lab Order 2307473

| Hall Environmental Analysis Laboratory. Inc. |  |
|--|--|
|--|--|

| Date Reported: | 7/20/2023 |
|----------------|-----------|
|----------------|-----------|

| CLIENT:<br>Project:<br>Lab ID: | ENSOLUM<br>Lateral 2C 15 Sump<br>2307473-005 | Client Sample ID: MW-2           Collection Date: 7/11/2023 12:30:00 PM           Matrix: AQUEOUS         Received Date: 7/12/2023 6:15:00 AN |       |           |     |                      |         |
|--------------------------------|--|---|-------|-----------|-----|----------------------|---------|
| Analyses                       |  | Result  | RL    | Qual Unit | s D | F Date Analyzed      | Batch   |
| EPA ME                         | THOD 8260B: VOLATILES                        | SHORT LIST  |       |           |     | Analyst              | CCM     |
| Benzene                        |  | 1.0   | 1.0   | µg/L      | 1   | 7/17/2023 6:57:00 PM | SL98240 |
| Toluene                        |  | ND  | 1.0   | µg/L      | 1   | 7/17/2023 6:57:00 PM | SL98240 |
| Ethylben                       | zene   | ND  | 1.0   | µg/L      | 1   | 7/17/2023 6:57:00 PM | SL98240 |
| Xylenes,                       | Total  | ND  | 1.5   | µg/L      | 1   | 7/17/2023 6:57:00 PM | SL98240 |
| Surr: 1                        | I,2-Dichloroethane-d4                        | 110 7   | 0-130 | %Re       | c 1 | 7/17/2023 6:57:00 PM | SL98240 |
| Surr: [                        | Dibromofluoromethane                         | 113 7   | 0-130 | %Re       | c 1 | 7/17/2023 6:57:00 PM | SL98240 |
| Surr: 1                        | Foluene-d8                                   | 111 7   | 0-130 | %Re       | c 1 | 7/17/2023 6:57:00 PM | SL98240 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| Qualifiers: | * | V |
|-------------|---|---|
| Quanners:   |   | • |

- alue exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank В
- Е Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Released to Imaging: 4/2/2024 1:23:18 PM

Analytical Report
Lab Order 2307473

Hall Environmental Analysis Laboratory, Inc. Date Reported: 7/20/2023

| CLIENT:  | ENSOLUM               | Client Sample ID: MW-4  |        |            |    |                      |         |
|----------|-----------------------|---|--------|------------|----|----------------------|---------|
| Project: | Lateral 2C 15 Sump    | Collection Date: 7/11/2023 1:00:00 PM           Matrix: AQUEOUS         Received Date: 7/12/2023 6:15:00 AM |        |            |    |                      |         |
| Lab ID:  | 2307473-006           |   |        |            |    |                      |         |
| Analyses |                       | Result  | RL     | Qual Units | DF | Date Analyzed        | Batch   |
| EPA ME   | THOD 8260B: VOLATILES | SHORT LIST  |        |            |    | Analyst              | CCM     |
| Benzene  |                       | ND  | 1.0    | µg/L       | 1  | 7/17/2023 7:22:00 PM | SL98240 |
| Toluene  |                       | ND  | 1.0    | µg/L       | 1  | 7/17/2023 7:22:00 PM | SL98240 |
| Ethylben | zene                  | ND  | 1.0    | µg/L       | 1  | 7/17/2023 7:22:00 PM | SL98240 |
| Xylenes, | Total                 | ND  | 1.5    | µg/L       | 1  | 7/17/2023 7:22:00 PM | SL98240 |
| Surr: 1  | 1,2-Dichloroethane-d4 | 112 7   | 70-130 | %Rec       | 1  | 7/17/2023 7:22:00 PM | SL98240 |
| Surr: [  | Dibromofluoromethane  | 116   | 70-130 | %Rec       | 1  | 7/17/2023 7:22:00 PM | SL98240 |
| Surr: 7  | Foluene-d8            | 112 7   | 70-130 | %Rec       | 1  | 7/17/2023 7:22:00 PM | SL98240 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers: \* Value exceeds Maximum Contaminant Level.

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- JAnalyte detected below quantitation limitsPSample pH Not In Range
- RL Reporting Limit

Page 6 of 7

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

# **QC SUMMARY REPORT** Hall Environmental Analysis Laboratory, Inc.

Value exceeds Maximum Contaminant Level.

Holding times for preparation or analysis exceeded

% Recovery outside of standard limits. If undiluted results may be estimated.

Sample Diluted Due to Matrix

Practical Quanitative Limit

Not Detected at the Reporting Limit

**Qualifiers:** 

\*

D

Н

ND

PQL

S

| Client:  | ENSOLUM            |
|----------|--------------------|
| Project: | Lateral 2C 15 Sump |

| Sample ID: 100ng Ics        | SampType: LCS TestCode: EPA Method 8260B: Volatiles Short List |                 |           |             |                  |           |                |             |          |      |
|-----------------------------|--|-----------------|-----------|-------------|------------------|-----------|----------------|-------------|----------|------|
| Client ID: LCSW             | Batch  | n ID: <b>SL</b> | 98240     | F           | RunNo: <b>98</b> | 3240      |                |             |          |      |
| Prep Date:                  | Analysis D   | Date: 7/*       | 17/2023   | S           | SeqNo: 3         | 578013    | Units: µg/L    |             |          |      |
| Analyte                     | Result   | PQL             | SPK value | SPK Ref Val | %REC             | LowLimit  | HighLimit      | %RPD        | RPDLimit | Qual |
| Benzene                     | 20   | 1.0             | 20.00     | 0           | 98.6             | 70        | 130            |             |          |      |
| Toluene                     | 20   | 1.0             | 20.00     | 0           | 102              | 70        | 130            |             |          |      |
| Surr: 1,2-Dichloroethane-d4 | 10   |                 | 10.00     |             | 104              | 70        | 130            |             |          |      |
| Surr: 4-Bromofluorobenzene  | 12   |                 | 10.00     |             | 116              | 70        | 130            |             |          |      |
| Surr: Dibromofluoromethane  | 11   |                 | 10.00     |             | 108              | 70        | 130            |             |          |      |
| Surr: Toluene-d8            | 11   |                 | 10.00     |             | 110              | 70        | 130            |             |          |      |
| Sample ID: mb               | SampT  | уре: МВ         | LK        | Tes         | tCode: EF        | PA Method | 8260B: Volatil | les Short I | List     |      |
| Client ID: PBW              | Batch  | n ID: <b>SL</b> | 98240     | F           | RunNo: <b>98</b> | 3240      |                |             |          |      |
| Prep Date:                  | Analysis D   | Date: 7/*       | 17/2023   | S           | SeqNo: 3         | 578014    | Units: µg/L    |             |          |      |
| Analyte                     | Result   | PQL             | SPK value | SPK Ref Val | %REC             | LowLimit  | HighLimit      | %RPD        | RPDLimit | Qual |
| Benzene                     | ND   | 1.0             |           |             |                  |           |                |             |          |      |
| Toluene                     | ND   | 1.0             |           |             |                  |           |                |             |          |      |
| Ethylbenzene                | ND   | 1.0             |           |             |                  |           |                |             |          |      |
| Xylenes, Total              | ND   | 1.5             |           |             |                  |           |                |             |          |      |
| Surr: 1,2-Dichloroethane-d4 | 10   |                 | 10.00     |             | 105              | 70        | 130            |             |          |      |
| Surr: 4-Bromofluorobenzene  | 12   |                 | 10.00     |             | 115              | 70        | 130            |             |          |      |
| Surr: Dibromofluoromethane  | 11   |                 | 10.00     |             | 110              | 70        | 130            |             |          |      |
| Surr: Toluene-d8            | 11   |                 | 10.00     |             | 108              | 70        | 130            |             |          |      |

Analyte detected in the associated Method Blank В

Е Above Quantitation Range/Estimated Value

- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

Reporting Limit RL

Page 7 of 7

WO#: 2307473 20-Jul-23

| HALL<br>ENVIRONMENTAL<br>ANALYSIS<br>LABORATORY   | Hall Environment<br>A<br>TEL: 505-345-39<br>Website: www. | tal Analysis Labora<br>4901 Hawkins<br>Ibuquerque, NM 87<br>75 FAX: 505-345-4<br>hallenvironmental. | NE<br>109 <b>Sam</b><br>107<br>com | ple Log-In C   | Check List                |
|---|---|---|------------------------------------|----------------|---------------------------|
| Client Name: ENSOLUM  | Work Order Numb   | er: 2307473   |                                    | RcptNo         | : 1                       |
| Received By: Tracy Casarrubias  | 7/12/2023 6:15:00 A                                       | М   |                                    |                |                           |
| Completed By: Tracy Casarrubias<br>Reviewed By: 70 7/12/23                                | 7/12/2023 11:32:01  | AM  |                                    |                |                           |
| Chain of Custody  |   |   |                                    |                |                           |
| 1. Is Chain of Custody complete?  |   | Yes   | No 🗹                               | Not Present    |                           |
| 2. How was the sample delivered?  |   | Courier   |                                    |                |                           |
| Log In  | _   |   |                                    |                |                           |
| <ol> <li>Was an attempt made to cool the samples</li> </ol>                               | ?   | Yes 🗹   | No 🗔                               | NA LJ          |                           |
| 4. Were all samples received at a temperatur  | e of >0° C to 6.0°C                                       | Yes 🗹   | No 🗌                               | NA 🗌           |                           |
| 5. Sample(s) in proper container(s)?  |   | Yes 🔽   | No 🗌                               |                |                           |
| 6. Sufficient sample volume for indicated test  | (s)?  | Yes 🔽   | No 🗌                               |                |                           |
| $7_{\odot}$ Are samples (except VOA and ONG) prope  | erly preserved?   | Yes 🗹   | No 🗌                               |                |                           |
| 8. Was preservative added to bottles?   |   | Yes 🗌   | No 🗹                               | NA 🗌           |                           |
| 9. Received at least 1 vial with headspace <1   | /4" for AQ VOA?   | Yes 🗹   | No 🗌                               |                | 1                         |
| 10, Were any sample containers received brol  | ken?  | Yes   | No 🗹                               | # of preserved |                           |
| 11. Does paperwork match bottle labels?<br>(Note discrepancies on chain of custody)       |   | Yes 🔽   | No 🗌                               | for pH:        | v<br>or >12 unless noted) |
| 12. Are matrices correctly identified on Chain of   | of Custody?   | Yes 🗹   | No 🗌                               | Adjusted?      |                           |
| 13. Is it clear what analyses were requested?   | -   | Yes 🔽   | No 🗌                               |                | 11                        |
| 14. Were all holding times able to be met?<br>(If no, notify customer for authorization.) |   | Yes 🔽   | No 🗌                               | checked by:    | 7.12.23                   |
| Special Handling (if applicable)  |   |   |                                    |                | •                         |
| 15. Was client notified of all discrepancies wit  | h this order?   | Yes   | No 🗌                               | NA 🗹           |                           |
| Person Notified:  | Date:   |   | hono 🗌 Eav                         | In Person      |                           |
| Regarding:  | via.  |   |                                    |                |                           |
| Client Instructions: Phone number   | is missing on COC- TMC                                    | 2 7/12/23   |                                    |                |                           |
| 16. Additional remarks:   |   |   |                                    |                |                           |
| 17. <u>Cooler Information</u><br>Cooler No Temp <sup>o</sup> C Condition<br>1 3.7 Good Y  | Seal Intact Seal No<br>′es yes                            | Seal Date   | Signed By                          |                |                           |

Received by OCD: 1/12/2024 7:25:31 AM

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July 26, 2023

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX:

RE: Lateral 2C 15 Sump

OrderNo.: 2307555

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 8 sample(s) on 7/13/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

**Analytical Report** 

| Hall | Enviro | nmental | Analy | vsis L | Labora | tory, | Inc. |
|------|--------|---------|-------|--------|--------|-------|------|
|      |        |         |       |        |        |       |      |

Lab Order 2307555

Date Reported: 7/26/2023

| CLIENT: ENSO   | OLUM             |            | Client Sample ID: MW-8                              |        |       |      |               |                      |         |  |  |
|----------------|------------------|------------|---|--------|-------|------|---------------|----------------------|---------|--|--|
| Project: Later | al 2C 15 Sump    |            | Collection Date: 7/12/2023 9:10:00 AM               |        |       |      |               |                      |         |  |  |
| Lab ID: 2307   | 555-001          | Matrix:    | Matrix: AQUEOUS Received Date: 7/13/2023 7:05:00 AM |        |       |      |               |                      |         |  |  |
| Analyses       | Re               | sult       | RL  | Qual   | Units | DF   | Date Analyzed | Batch                |         |  |  |
| EPA METHOD     | 8260B: VOLATILES | SHORT LIST |   |        |       |      |               | Analysi              | CCM     |  |  |
| Benzene        |                  |            | ND  | 1.0    |       | µg/L | 1             | 7/17/2023 8:36:00 PM | SL98240 |  |  |
| Toluene        |                  |            | ND  | 1.0    |       | µg/L | 1             | 7/17/2023 8:36:00 PM | SL98240 |  |  |
| Ethylbenzene   |                  |            | ND  | 1.0    |       | µg/L | 1             | 7/17/2023 8:36:00 PM | SL98240 |  |  |
| Xylenes, Total |                  |            | ND  | 1.5    |       | µg/L | 1             | 7/17/2023 8:36:00 PM | SL98240 |  |  |
| Surr: 1,2-Dich | loroethane-d4    |            | 111   | 70-130 |       | %Rec | 1             | 7/17/2023 8:36:00 PM | SL98240 |  |  |
| Surr: Dibromo  | fluoromethane    |            | 117   | 70-130 |       | %Rec | 1             | 7/17/2023 8:36:00 PM | SL98240 |  |  |
| Surr: Toluene  | -d8              |            | 112   | 70-130 |       | %Rec | 1             | 7/17/2023 8:36:00 PM | SL98240 |  |  |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank В
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 10

**Analytical Report** 

| Hall | Environmental | Analysis | Laboratory, | Inc. |
|------|---------------|----------|-------------|------|
|      |               | •/       |             |      |

Lab Order 2307555

Date Reported: 7/26/2023

| CLIENT:   | ENSOLUM              |                                       | Client Sample ID: MW-11 |        |         |         |       |                      |         |  |
|-----------|----------------------|---------------------------------------|-------------------------|--------|---------|---------|-------|----------------------|---------|--|
| Project:  | Lateral 2C 15 Sump   |                                       |                         | (      | Collect | ion Dat | e: 7/ | 12/2023 9:40:00 AM   |         |  |
| Lab ID:   | 2307555-002          | Matrix: AQUEOUS Received Date: 7/13/2 |                         |        |         |         |       | 13/2023 7:05:00 AM   |         |  |
| Analyses  |                      | R                                     | esult                   | RL     | Qual    | Units   | DF    | Date Analyzed        | Batch   |  |
| EPA MET   | HOD 8260B: VOLATILES | SHORT LIST                            |                         |        |         |         |       | Analyst              | CCM     |  |
| Benzene   |                      |                                       | ND                      | 1.0    |         | µg/L    | 1     | 7/17/2023 9:01:00 PM | SL98240 |  |
| Toluene   |                      |                                       | ND                      | 1.0    |         | µg/L    | 1     | 7/17/2023 9:01:00 PM | SL98240 |  |
| Ethylbenz | zene                 |                                       | ND                      | 1.0    |         | µg/L    | 1     | 7/17/2023 9:01:00 PM | SL98240 |  |
| Xylenes,  | Total                |                                       | ND                      | 1.5    |         | µg/L    | 1     | 7/17/2023 9:01:00 PM | SL98240 |  |
| Surr: 1   | ,2-Dichloroethane-d4 |                                       | 117                     | 70-130 |         | %Rec    | 1     | 7/17/2023 9:01:00 PM | SL98240 |  |
| Surr: D   | Dibromofluoromethane |                                       | 118                     | 70-130 |         | %Rec    | 1     | 7/17/2023 9:01:00 PM | SL98240 |  |
| Surr: T   | oluene-d8            |                                       | 108                     | 70-130 |         | %Rec    | 1     | 7/17/2023 9:01:00 PM | SL98240 |  |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank В
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- RL Reporting Limit

Page 2 of 10
| Date Reported: 7/26/2023 |
|--------------------------|
|--------------------------|

| CLIENT:<br>Project:<br>Lab ID: | ENSOLUM<br>Lateral 2C 15 Sump<br>2307555-003 | Matrix: AQUEOUS | Client Sample ID: MW-12Collection Date: 7/12/2023 10:15:00 AMMatrix: AQUEOUSReceived Date: 7/13/2023 7:05:00 AM |        |               |    |                      |         |  |
|--------------------------------|--|-----------------|---|--------|---------------|----|----------------------|---------|--|
| Analyses                       |  | Result          | RL  | Qual U | J <b>nits</b> | DF | Date Analyzed        | Batch   |  |
| EPA ME                         | THOD 8260B: VOLATILES                        | SHORT LIST      |   |        |               |    | Analyst              | CCM     |  |
| Benzene                        |  | ND              | 1.0   | μ      | ıg/L          | 1  | 7/17/2023 9:25:00 PM | SL98240 |  |
| Toluene                        |  | ND              | 1.0   | μ      | ıg/L          | 1  | 7/17/2023 9:25:00 PM | SL98240 |  |
| Ethylben                       | zene   | ND              | 1.0   | μ      | ıg/L          | 1  | 7/17/2023 9:25:00 PM | SL98240 |  |
| Xylenes,                       | Total  | ND              | 1.5   | μ      | ıg/L          | 1  | 7/17/2023 9:25:00 PM | SL98240 |  |
| Surr: 1                        | 1,2-Dichloroethane-d4                        | 116 7           | 0-130   | %      | %Rec          | 1  | 7/17/2023 9:25:00 PM | SL98240 |  |
| Surr: [                        | Dibromofluoromethane                         | 118 7           | 0-130   | 9      | %Rec          | 1  | 7/17/2023 9:25:00 PM | SL98240 |  |
| Surr: 1                        | Foluene-d8                                   | 109 7           | 0-130   | 9      | %Rec          | 1  | 7/17/2023 9:25:00 PM | SL98240 |  |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| <b>Oualifiers:</b> |
|--------------------|
|--------------------|

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank В
- Е Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

**Analytical Report** Lab Order 2307555

Date Reported: 7/26/2023

| CLIENT: ENSOLUM             |                 | Client Sample ID: MW-14                             |            |    |                      |         |  |  |  |
|-----------------------------|-----------------|---|------------|----|----------------------|---------|--|--|--|
| Project: Lateral 2C 15 Sump |                 | Collection Date: 7/12/2023 10:50:00 AM              |            |    |                      |         |  |  |  |
| Lab ID: 2307555-004         | Matrix: AQUEOUS | Matrix: AQUEOUS Received Date: 7/13/2023 7:05:00 AM |            |    |                      |         |  |  |  |
| Analyses                    | Result          | RL  | Qual Units | DF | <b>Date Analyzed</b> | Batch   |  |  |  |
| EPA METHOD 8260B: VOLATILES | SHORT LIST      |   |            |    | Analyst              | : CCM   |  |  |  |
| Benzene                     | ND              | 1.0   | µg/L       | 1  | 7/17/2023 9:50:00 PM | SL98240 |  |  |  |
| Toluene                     | ND              | 1.0   | μg/L       | 1  | 7/17/2023 9:50:00 PM | SL98240 |  |  |  |
| Ethylbenzene                | ND              | 1.0   | μg/L       | 1  | 7/17/2023 9:50:00 PM | SL98240 |  |  |  |
| Xylenes, Total              | ND              | 1.5   | μg/L       | 1  | 7/17/2023 9:50:00 PM | SL98240 |  |  |  |
| Surr: 1,2-Dichloroethane-d4 | 118 7           | 0-130   | %Rec       | 1  | 7/17/2023 9:50:00 PM | SL98240 |  |  |  |
| Surr: Dibromofluoromethane  | 117 7           | 0-130   | %Rec       | 1  | 7/17/2023 9:50:00 PM | SL98240 |  |  |  |
| Surr: Toluene-d8            | 109 7           | 0-130   | %Rec       | 1  | 7/17/2023 9:50:00 PM | SL98240 |  |  |  |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- RL Reporting Limit

Page 4 of 10

Date Reported: 7/26/2023

| CLIENT:            | ENSOLUM               |            | Client Sample ID: MW-13                            |            |    |                       |         |  |  |  |
|--------------------|-----------------------|------------|--|------------|----|-----------------------|---------|--|--|--|
| Project:           | Lateral 2C 15 Sump    |            | Collection Date: 7/12/2023 11:20:00 AM             |            |    |                       |         |  |  |  |
| Lab ID:            | 2307555-005           | Matrix: AQ | Matrix: AQUEOUS Received Date: 7/13/2023 7:05:00 A |            |    |                       |         |  |  |  |
| Analyses           |                       | Resul      | t RL   | Qual Units | DF | <b>Date Analyzed</b>  | Batch   |  |  |  |
| EPA ME             | THOD 8260B: VOLATILES | SHORT LIST |  |            |    | Analyst               | CCM     |  |  |  |
| Benzene            | 1                     | NI         | 2.0  | µg/L       | 2  | 7/17/2023 10:39:00 PM | SL98240 |  |  |  |
| Toluene            |                       | 8.         | 8 2.0  | µg/L       | 2  | 7/17/2023 10:39:00 PM | SL98240 |  |  |  |
| Ethylben           | zene                  | 3          | 5 2.0  | µg/L       | 2  | 7/17/2023 10:39:00 PM | SL98240 |  |  |  |
| Xylenes,           | Total                 | 41         | 0 3.0  | µg/L       | 2  | 7/17/2023 10:39:00 PM | SL98240 |  |  |  |
| Surr: 2            | 1,2-Dichloroethane-d4 | 10         | 5 70-130   | %Rec       | 2  | 7/17/2023 10:39:00 PM | SL98240 |  |  |  |
| Surr: I            | Dibromofluoromethane  | 10         | 8 70-130   | %Rec       | 2  | 7/17/2023 10:39:00 PM | SL98240 |  |  |  |
| Surr: <sup>-</sup> | Foluene-d8            | 12         | 3 70-130   | %Rec       | 2  | 7/17/2023 10:39:00 PM | SL98240 |  |  |  |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated ValueJ Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 10

| Hall Environmental Analysis L | aboratory, Inc. |
|-------------------------------|-----------------|
|-------------------------------|-----------------|

Date Reported: 7/26/2023

| CLIENT:   | ENSOLUM              |            | Client Sample ID: MW-5                              |        |      |       |    |                      |         |  |
|-----------|----------------------|------------|---|--------|------|-------|----|----------------------|---------|--|
| Project:  | Lateral 2C 15 Sump   |            | <b>Collection Date:</b> 7/12/2023 11:55:00 AM       |        |      |       |    |                      |         |  |
| Lab ID:   | 2307555-006          | Matrix:    | Matrix: AQUEOUS Received Date: 7/13/2023 7:05:00 AM |        |      |       |    |                      |         |  |
| Analyses  |                      | R          | esult   | RL     | Qual | Units | DF | Date Analyzed        | Batch   |  |
| EPA MET   | HOD 8260B: VOLATILES | SHORT LIST |   |        |      |       |    | Analys               | CCM     |  |
| Benzene   |                      |            | 5.1   | 5.0    |      | µg/L  | 5  | 7/18/2023 1:42:00 PM | SL98286 |  |
| Toluene   |                      |            | ND  | 5.0    |      | µg/L  | 5  | 7/18/2023 1:42:00 PM | SL98286 |  |
| Ethylbenz | zene                 |            | 9.8   | 5.0    |      | µg/L  | 5  | 7/18/2023 1:42:00 PM | SL98286 |  |
| Xylenes,  | Total                |            | 18  | 7.5    |      | µg/L  | 5  | 7/18/2023 1:42:00 PM | SL98286 |  |
| Surr: 1   | ,2-Dichloroethane-d4 |            | 108   | 70-130 |      | %Rec  | 5  | 7/18/2023 1:42:00 PM | SL98286 |  |
| Surr: D   | Dibromofluoromethane |            | 111   | 70-130 |      | %Rec  | 5  | 7/18/2023 1:42:00 PM | SL98286 |  |
| Surr: T   | oluene-d8            |            | 111   | 70-130 |      | %Rec  | 5  | 7/18/2023 1:42:00 PM | SL98286 |  |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р RL Reporting Limit

Page 6 of 10

**Analytical Report** 

| Hall Environmental Analys | sis Laboratory, Inc. |
|---------------------------|----------------------|
|---------------------------|----------------------|

Lab Order 2307555

Date Reported: 7/26/2023

| CLIENT: ENSOLUM             |                 | Cl   | ient Sample II | D: M | W-3                  |         |  |  |  |
|-----------------------------|-----------------|--|----------------|------|----------------------|---------|--|--|--|
| Project: Lateral 2C 15 Sump |                 | <b>Collection Date:</b> 7/12/2023 12:25:00 PM      |                |      |                      |         |  |  |  |
| Lab ID: 2307555-007         | Matrix: AQUEOUS | Matrix: AQUEOUS Received Date: 7/13/2023 7:05:00 A |                |      |                      |         |  |  |  |
| Analyses                    | Result          | RL   | Qual Units     | DF   | <b>Date Analyzed</b> | Batch   |  |  |  |
| EPA METHOD 8260B: VOLATILES | S SHORT LIST    |  |                |      | Analyst              | CCM     |  |  |  |
| Benzene                     | 31              | 5.0  | µg/L           | 5    | 7/18/2023 2:56:00 PM | SL98286 |  |  |  |
| Toluene                     | ND              | 5.0  | μg/L           | 5    | 7/18/2023 2:56:00 PM | SL98286 |  |  |  |
| Ethylbenzene                | 7.3             | 5.0  | µg/L           | 5    | 7/18/2023 2:56:00 PM | SL98286 |  |  |  |
| Xylenes, Total              | ND              | 7.5  | μg/L           | 5    | 7/18/2023 2:56:00 PM | SL98286 |  |  |  |
| Surr: 1,2-Dichloroethane-d4 | 110 7           | 0-130  | %Rec           | 5    | 7/18/2023 2:56:00 PM | SL98286 |  |  |  |
| Surr: Dibromofluoromethane  | 113 7           | 0-130  | %Rec           | 5    | 7/18/2023 2:56:00 PM | SL98286 |  |  |  |
| Surr: Toluene-d8            | 109 7           | 0-130  | %Rec           | 5    | 7/18/2023 2:56:00 PM | SL98286 |  |  |  |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank В
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р RL Reporting Limit

Page 7 of 10

Analytical Report

| Hall Environmental Analysis Laboratory, Inc. |  |
|--|--|
|--|--|

Lab Order 2307555

Date Reported: 7/26/2023

| <b>CLIENT:</b> | ENSOLUM              | Client Sample ID: MW-9                                   |   |            |    |                      |         |  |  |  |  |
|----------------|----------------------|--|---|------------|----|----------------------|---------|--|--|--|--|
| Project:       | Lateral 2C 15 Sump   |  | <b>Collection Date:</b> 7/12/2023 12:55:00 PM |            |    |                      |         |  |  |  |  |
| Lab ID:        | 2307555-008          | Matrix: AQUEOUS         Received Date: 7/13/2023 7:05:00 |   |            |    |                      |         |  |  |  |  |
| Analyses       |                      | Result   | RL  | Qual Units | DF | Date Analyzed        | Batch   |  |  |  |  |
| EPA MET        | HOD 8260B: VOLATILES | SHORT LIST   |   |            |    | Analys               | CCM     |  |  |  |  |
| Benzene        |                      | 2100   | 50  | µg/L       | 50 | 7/18/2023 3:20:00 PM | SL98286 |  |  |  |  |
| Toluene        |                      | 840  | 50  | μg/L       | 50 | 7/18/2023 3:20:00 PM | SL98286 |  |  |  |  |
| Ethylbenz      | zene                 | 200  | 5.0   | μg/L       | 5  | 7/18/2023 3:45:00 PM | SL98286 |  |  |  |  |
| Xylenes,       | Total                | 1300   | 75  | μg/L       | 50 | 7/18/2023 3:20:00 PM | SL98286 |  |  |  |  |
| Surr: 1        | ,2-Dichloroethane-d4 | 104 7  | 70-130  | %Rec       | 5  | 7/18/2023 3:45:00 PM | SL98286 |  |  |  |  |
| Surr: D        | Dibromofluoromethane | 105 7  | 70-130  | %Rec       | 5  | 7/18/2023 3:45:00 PM | SL98286 |  |  |  |  |
| Surr: T        | oluene-d8            | 114 7  | 70-130  | %Rec       | 5  | 7/18/2023 3:45:00 PM | SL98286 |  |  |  |  |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E
   Above Quantitation Range/Estimated Value

   J
   Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 8 of 10

# **QC SUMMARY REPORT** Hall Environmental Analysis Laboratory, Inc.

| : 23075  | WO#: |
|----------|------|
| 26-Jul-2 |      |

| Client:ENSOIProject:Lateral                             | LUM<br>2C 15 Sum | р               |           |               |  |           |               |           |          |      |
|---|------------------|-----------------|-----------|---------------|--|-----------|---------------|-----------|----------|------|
| Sample ID: 100ng Ics SampType: LCS                      |                  |                 |           |               | TestCode: EPA Method 8260B: Volatiles Short List |           |               |           |          |      |
| Client ID: LCSW   | Batc             | h ID: <b>SL</b> | 98240     | F             | RunNo: <b>9</b> 8                                | 8240      |               |           |          |      |
| Prep Date:  | Analysis [       | Date: 7/        | 17/2023   | :             | SeqNo: 3   | 578013    | Units: µg/L   |           |          |      |
| Analyte   | Result           | PQL             | SPK value | SPK Ref Val   | %REC   | LowLimit  | HighLimit     | %RPD      | RPDLimit | Qual |
| Benzene   | 20               | 1.0             | 20.00     | 0             | 98.6   | 70        | 130           |           |          |      |
| Toluene   | 20               | 1.0             | 20.00     | 0             | 102  | 70        | 130           |           |          |      |
| Surr: 1,2-Dichloroethane-d4                             | 10               |                 | 10.00     |               | 104  | 70        | 130           |           |          |      |
| Surr: 4-Bromofluorobenzene                              | 12               |                 | 10.00     |               | 116  | 70        | 130           |           |          |      |
| Surr: Dibromofluoromethane                              | 11               |                 | 10.00     |               | 108  | 70        | 130           |           |          |      |
| Surr: Toluene-d8  | 11               |                 | 10.00     |               | 110  | 70        | 130           |           |          |      |
| Sample ID: mb SampType: MBLK TestCode: EPA Method 8260B |                  |                 |           | 8260B: Volati | les Short  | List      |               |           |          |      |
| Client ID: PBW  | Batc             | h ID: <b>SL</b> | 98240     | F             | RunNo: <b>9</b> 8                                | 3240      |               |           |          |      |
| Prep Date:  | Analysis [       | Date: 7/        | 17/2023   | :             | SeqNo: 3   | 578014    | Units: µg/L   |           |          |      |
| Analyte   | Result           | PQL             | SPK value | SPK Ref Val   | %REC   | LowLimit  | HighLimit     | %RPD      | RPDLimit | Qual |
| Benzene   | ND               | 1.0             |           |               |  |           |               |           |          |      |
| Toluene   | ND               | 1.0             |           |               |  |           |               |           |          |      |
| Ethylbenzene  | ND               | 1.0             |           |               |  |           |               |           |          |      |
| Xylenes, Total  | ND               | 1.5             |           |               |  |           |               |           |          |      |
| Surr: 1,2-Dichloroethane-d4                             | 10               |                 | 10.00     |               | 105  | 70        | 130           |           |          |      |
| Surr: 4-Bromofluorobenzene                              | 12               |                 | 10.00     |               | 115  | 70        | 130           |           |          |      |
| Surr: Dibromofluoromethane                              | 11               |                 | 10.00     |               | 110  | 70        | 130           |           |          |      |
| Surr: Toluene-d8  | 11               |                 | 10.00     |               | 108  | 70        | 130           |           |          |      |
| Sample ID: 100ng lcs                                    | Samp             | Гуре: <b>LC</b> | S         | Tes           | tCode: EF  | PA Method | 8260B: Volati | les Short | List     |      |
| Client ID: LCSW   | Batc             | h ID: <b>SL</b> | 98286     | F             | RunNo: <b>9</b>                                  | 8286      |               |           |          |      |
| Prep Date:  | Analysis [       | Date: 7/        | 18/2023   | :             | SeqNo: 3   | 578531    | Units: µg/L   |           |          |      |
| Analyte   | Result           | PQL             | SPK value | SPK Ref Val   | %REC   | LowLimit  | HighLimit     | %RPD      | RPDLimit | Qual |
| Benzene   | 21               | 1.0             | 20.00     | 0             | 105  | 70        | 130           |           |          |      |
| Toluene   | 20               | 1.0             | 20.00     | 0             | 101  | 70        | 130           |           |          |      |
| Surr: 1,2-Dichloroethane-d4                             | 11               |                 | 10.00     |               | 112  | 70        | 130           |           |          |      |
| Surr: 4-Bromofluorobenzene                              | 12               |                 | 10.00     |               | 117  | 70        | 130           |           |          |      |
| Surr: Dibromofluoromethane                              | 11               |                 | 10.00     |               | 113  | 70        | 130           |           |          |      |
| Surr: Toluene-d8  | 11               |                 | 10.00     |               | 109  | 70        | 130           |           |          |      |
| Sample ID: MB   | Samp             | Гуре: МЕ        | BLK       | Tes           | tCode: EF  | PA Method | 8260B: Volati | les Short | List     |      |
| Client ID: PBW  | Batc             | h ID: SL        | 98286     | F             | RunNo: <b>9</b> 8                                | 3286      |               |           |          |      |
| Prep Date:  | Analysis [       | Date: 7/        | 18/2023   | :             | SeqNo: 3   | 578532    | Units: µg/L   |           |          |      |
| Analyte   | Result           | PQL             | SPK value | SPK Ref Val   | %REC   | LowLimit  | HighLimit     | %RPD      | RPDLimit | Qual |
| Benzene   | ND               | 1.0             |           |               |  |           |               |           |          |      |
| Toluene   | ND               | 1.0             |           |               |  |           |               |           |          |      |

#### **Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank В
- Е Above Quantitation Range/Estimated Value
- J
- Analyte detected below quantitation limits
- Р Sample pH Not In Range RL
  - Reporting Limit

Page 9 of 10

# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| WO#: | 2307555   |
|------|-----------|
|      | 26-Jul-23 |

| Client: ENSOLUI<br>Project: Lateral 20 | M<br>C 15 Sumi  | n               |           |  |                  |           |               |           |          |      |
|--|---|-----------------|-----------|--|------------------|-----------|---------------|-----------|----------|------|
| Sample ID: MB                          | SampType: MBLK TestCode: EPA Method 8260B: Volatiles Short List |                 |           |  |                  | list      |               |           |          |      |
|  |   |                 |           |  |                  | 2006      | ozoob. volati |           | LIST     |      |
|  |   |                 | 90200     | r  |                  | 5200      |               |           |          |      |
| Prep Date:                             | Analysis L  | Date: 7/1       | 8/2023    | 2  | SeqNo: 3         | 578532    | Units: µg/L   |           |          |      |
| Analyte                                | Result  | PQL             | SPK value | SPK Ref Val                                      | %REC             | LowLimit  | HighLimit     | %RPD      | RPDLimit | Qual |
| Ethylbenzene                           | ND  | 1.0             |           |  |                  |           |               |           |          |      |
| Xylenes, Total                         | ND  | 1.5             |           |  |                  |           |               |           |          |      |
| Surr: 1,2-Dichloroethane-d4            | 11  |                 | 10.00     |  | 114              | 70        | 130           |           |          |      |
| Surr: 4-Bromofluorobenzene             | 11  |                 | 10.00     |  | 113              | 70        | 130           |           |          |      |
| Surr: Dibromofluoromethane             | 12  |                 | 10.00     |  | 117              | 70        | 130           |           |          |      |
| Surr: Toluene-d8                       | 11  |                 | 10.00     |  | 109              | 70        | 130           |           |          |      |
| Sample ID: 2307555-006ams              | SampType: MS  |                 |           | TestCode: EPA Method 8260B: Volatiles Short List |                  |           |               |           |          |      |
| Client ID: MW-5                        | Batch ID: SL98286   |                 |           | RunNo: 98286                                     |                  |           |               |           |          |      |
| Prep Date:                             | Analysis Date: 7/18/2023  |                 |           | SeqNo: 3578534                                   |                  |           | Units: µg/L   |           |          |      |
| Analyte                                | Result  | PQL             | SPK value | SPK Ref Val                                      | %REC             | LowLimit  | HighLimit     | %RPD      | RPDLimit | Qual |
| Benzene                                | 110   | 5.0             | 100.0     | 5.080  | 107              | 70        | 130           |           |          |      |
| Toluene                                | 100   | 5.0             | 100.0     | 0  | 102              | 70        | 130           |           |          |      |
| Surr: 1,2-Dichloroethane-d4            | 54  |                 | 50.00     |  | 108              | 70        | 130           |           |          |      |
| Surr: 4-Bromofluorobenzene             | 58  |                 | 50.00     |  | 116              | 70        | 130           |           |          |      |
| Surr: Dibromofluoromethane             | 56  |                 | 50.00     |  | 112              | 70        | 130           |           |          |      |
| Surr: Toluene-d8                       | 55  |                 | 50.00     |  | 110              | 70        | 130           |           |          |      |
| Sample ID: 2307555-006amsd             | SampT   | Гуре: <b>МЅ</b> | D         | Tes  | tCode: EF        | PA Method | 8260B: Volati | les Short | List     |      |
| Client ID: MW-5                        | Batcl   | h ID: SL        | 98286     | F  | RunNo: <b>98</b> | 3286      |               |           |          |      |
| Prep Date:                             | Analysis E  | Date: 7/1       | 8/2023    | S  | SeqNo: 3         | 578535    | Units: µg/L   |           |          |      |
| Analyte                                | Result  | PQL             | SPK value | SPK Ref Val                                      | %REC             | LowLimit  | HighLimit     | %RPD      | RPDLimit | Qual |
| Benzene                                | 110   | 5.0             | 100.0     | 5.080  | 100              | 70        | 130           | 6.03      | 20       |      |
| Toluene                                | 96  | 5.0             | 100.0     | 0  | 96.0             | 70        | 130           | 6.16      | 20       |      |
| Surr: 1,2-Dichloroethane-d4            | 55  |                 | 50.00     |  | 109              | 70        | 130           | 0         | 0        |      |
| Surr: 4-Bromofluorobenzene             | 58  |                 | 50.00     |  | 116              | 70        | 130           | 0         | 0        |      |
| Surr: Dibromofluoromethane             | 57  |                 | 50.00     |  | 114              | 70        | 130           | 0         | 0        |      |
| Surr: Toluene-d8                       | 55  |                 | 50.00     |  | 110              | 70        | 130           | 0         | 0        |      |

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

| ANALYSIS   | Al<br>TEL: 505-345-397<br>Website: www.J | 4901 Hawkii<br>buquerque, NM 8<br>75 FAX: 505-345-<br>hallenvironmenta | ns NE<br>87109 <b>Sam</b><br>-4107<br>1.com | ple Log-In Che                    | eck List         |
|--|--|--|---|-----------------------------------|------------------|
| Client Name: ENSOLUM   | Work Order Numbe                         | er: 2307555  |   | RcptNo: 1                         |                  |
| Received By: Juan Rojas  | 7/13/2023 7:05:00 AI                     | vi   | years &                                     |                                   |                  |
| Completed By: Cheyenne Caso  | n 7/13/2023 9:54:33 Al                   | M  | Chenl                                       |                                   |                  |
| Reviewed By: 7-13-2  | 3  |  |   |                                   |                  |
| Chain of Custody   |  |  |   |                                   |                  |
| 1. Is Chain of Custody complete?   |  | Yes 🗹  | No 🗌  | Not Present                       |                  |
| 2. How was the sample delivered?   |  | Courier  |   |                                   |                  |
| Log In<br>3. Was an attempt made to cool th                                | e samples?                               | Yes 🔽  | No 🗌  |                                   |                  |
| 4. Were all samples received at a t  | emperature of >0° C to 6.0°C             | Yes 🗹  | No 🗌  |                                   |                  |
| 5. Sample(s) in proper container(s   | ?  | Yes 🗹  | No 🗌  |                                   |                  |
| 6. Sufficient sample volume for ind  | icated test(s)?                          | Yes 🗹  | No 🗌  |                                   |                  |
| 7. Are samples (except VOA and C   | NG) properly preserved?                  | Yes 🗹  | No 🗌  |                                   |                  |
| 8. Was preservative added to bottl   | es?                                      | Yes 🗌  | No 🗹  | NA 📙                              |                  |
| 9. Received at least 1 vial with hea                                       | dspace <1/4" for AQ VOA?                 | Yes 🗹  | No 🗌  | NA 🗌                              |                  |
| 10. Were any sample containers re  | ceived broken?                           | Yes  | No 🗹  | # of preserved<br>bottles checked |                  |
| 11. Does paperwork match bottle la<br>(Note discrepancies on chain of      | bels?<br>custody)                        | Yes 🗹  | No 🗌  | for pH:<br>(<2 or >               | 12 anless noted) |
| 12. Are matrices correctly identified                                      | on Chain of Custody?                     | Yes 🗹  | No 🗌  | Adjusted?                         | 27.5             |
| 13. Is it clear what analyses were re                                      | quested?                                 | Yes 🗹  | No 🗌  |                                   | 1/2/22           |
| 14. Were all holding times able to b<br>(If no, notify customer for author | e met?<br>rization.)                     | Yes 🗹  | No 🗌  | Checked by:                       | x + 11) CS       |
| Special Handling (if applica   | ble)                                     |  |   |                                   |                  |
| 15. Was client notified of all discre                                      | pancies with this order?                 | Yes 🗌  | No 🗌  | NA 🗹                              |                  |
| Person Notified:   | Date:                                    | l  |   |                                   |                  |
| By Whom:   | Via:                                     | 🗌 eMail 🗌  | Phone 🗌 Fax                                 | In Person                         |                  |
| Regarding:   |  |  |   |                                   |                  |
| Client Instructions:   |  |  |   |                                   |                  |
| 16. Additional remarks:  |  |  |   |                                   |                  |
| 17. Cooler Information   | andition Seal Intent Seal No             | Seal Data  | Signed By                                   |                                   |                  |
| 1 3.7 Go   | onumon Searmact Sear NO                  | Jeal Dale  | Signed by                                   |                                   |                  |
|  | <b>/</b>                                 |  |   |                                   |                  |

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Released to Imaging: 4/2/2024 1:23:18 PM

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| AM       |
|----------|
| 7:25:31  |
| /12/2024 |
| 0CD: 1   |
| ived by  |
| lece     |

| Chain_of_Custody Record                  | Turn-Around Time:  |  |
|--|--|--|
| Client: Factor of Client:                | 🖉 Standard 🛛 Rush  | ANALYSIS LABORATORY  |
|  | Project Name:  | www.hailenvironmental.com  |
| Mailing Address: 606 S. Rus Crantsufe    | A Lateral 2C-15 Sump   | 4901 Hawkins NE - Albuquerque, NM 87109  |
| Azher NM 87410                           | Project #:   | Tel. 505-345-3975 Fax 505-345-4107   |
| Phone #:                                 | 0591226105   | Analysis Request   |
| email or Fax#: Locurureex Consolumenter  | Project Manager:   | 80)<br>5<br>5<br>5<br>5<br>5<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7   |
| QA/QC Package:                           | K. Sumers  | 2 PCB'<br>2 PCB'<br>20SIM5<br>2, PO4,<br>5<br>2, PO4,<br>5<br>2, PO4,<br>5<br>2, PO4,<br>5<br>2, PO4,<br>5<br>2, PO4,<br>5<br>2, PO4,<br>5<br>2, PO5<br>2, |
| Accreditation:                           | Sampler: L. Oarie II<br>On los: 2 Yes DNO                                    | MT +<br>10 \ OS<br>85888:<br>85888:<br>8588<br>0<br>10<br>85<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9   |
|  | # of Coolers: 1 10 100 + 7   | 118Е<br>П(Gf<br>bod<br>bod<br>bod<br>bod<br>bod<br>bot<br>NO<br>MO<br>MO<br>MO<br>MO<br>MO<br>MO<br>MO<br>MO<br>MO<br>MO<br>MO<br>MO<br>MO   |
|  | Cooler I emp(including CF): 3. C-0. C. S. F. O                               | Coli<br>(Mei<br>5 by<br>8015<br>8015<br>8015   |
| Date Time Matrix Sample Name             | Container Preservative HEAL No.<br>Type and # Type 2307555                   | BTEX<br>TPH:<br>8081<br>8250<br>8250<br>70tal<br>70tal<br>70tal  |
| Alister O. I. 1. 2 MW-P                  | Zx48milder Hall, OCI   |  |
| and in have 1                            | Try Van LV COZ   |  |
| BEER WANNER                              | 003  |  |
| H-MM -14                                 | 004  |  |
| 11:20 w JWW - 13                         | 005  |  |
| 11:55 W MW-5                             | 006  | X  |
| 12:25 W WW-3                             | 607  | X  |
| 1 1255 we MW-9                           | 800 7 1  |  |
|  |  |  |
|  |  |  |
|  |  |  |
| Date: Time: Relinquished by:             | Received by: Viai Date Time<br>ALL AT 7/2/23                                 | Remarks: Bill to Ensquer   |
| Date: Time: Relingedistred by:           | Received by: Via: Date Time  | Ouly use num-8 samples it in<br>The NW-8 is not enough   |
| Released to Imaging: 4/2/2024 1:23:18 PM | ebcontracted to other accredited laboratories. This serves as notice of this | is possibility. Any sub-contracted data will be clearly notated on the shalytical report.  |

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Environment Testing

Eurofins Environment Testing South Central, LLC 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

November 15, 2023

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX:

RE: Lateral 2C 15 Sump

OrderNo.: 2311003

Dear Kyle Summers:

Eurofins Environment Testing South Central, LLC received 5 sample(s) on 11/1/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

| Hall Environ        | mental Analysis L             | aboratory,      | Inc.     |         |         | /<br>I<br>I  | Analytical Report<br>Lab Order: 2311003<br>Date Reported: 11/1 | 5/202  | 23     |
|---------------------|-------------------------------|-----------------|----------|---------|---------|--------------|--|--------|--------|
| CLIENT:<br>Project: | ENSOLUM<br>Lateral 2C 15 Sump |                 |          |         | I       | .ab C        | <b>)rder:</b> 23110  | 03     |        |
| Lab ID:             | 2311003-001                   |                 | С        | ollecti | on Date | <b>:</b> 10  | /31/2023 10:50:00  | AM     |        |
| Client Sample ID:   | : MW-8                        |                 |          |         | Matrix  | к: А(        | QUEOUS   |        |        |
| Analyses            |                               | Result          | RL       | Qual    | Units   | DF           | Date Analyzed  | Ba     | tch ID |
| EPA METHOD 80       | 21B: VOLATILES                |                 |          |         |         |              | Ana  | alyst: | RAA    |
| Benzene             |                               | ND              | 1.0      |         | µg/L    | 1            | 11/10/2023 8:03:00   | PM     | BW101  |
| Toluene             |                               | ND              | 1.0      |         | µg/L    | 1            | 11/10/2023 8:03:00   | PM     | BW101  |
| Ethylbenzene        |                               | ND              | 1.0      |         | µg/L    | 1            | 11/10/2023 8:03:00   | PM     | BW101  |
| Xylenes, Total      |                               | ND              | 2.0      |         | µg/L    | 1            | 11/10/2023 8:03:00   | PM     | BW101  |
| Surr: 4-Bromoflu    | lorobenzene                   | 107             | 52.4-148 |         | %Rec    | 1            | 11/10/2023 8:03:00   | PM     | BW101  |
| Lab ID:             | 2311003-002                   |                 | С        | ollecti | on Date | <b>e:</b> 10 | /31/2023 11:25:00  | AM     |        |
| Client Sample ID:   | : MW-7                        | Matrix: AQUEOUS |          |         |         |              |  |        |        |
| Analyses            |                               | Result          | RL       | Qual    | Units   | DF           | Date Analyzed  | Ba     | tch ID |
| EPA METHOD 80       | 21B: VOLATILES                |                 |          |         |         |              | Ana  | alyst: | RAA    |
| Benzene             |                               | ND              | 1.0      |         | µg/L    | 1            | 11/10/2023 8:24:00   | PM     | BW101  |
| Toluene             |                               | ND              | 1.0      |         | µg/L    | 1            | 11/10/2023 8:24:00   | PM     | BW101  |
| Ethylbenzene        |                               | ND              | 1.0      |         | µg/L    | 1            | 11/10/2023 8:24:00   | PM     | BW101  |
| Xylenes, Total      |                               | ND              | 2.0      |         | µg/L    | 1            | 11/10/2023 8:24:00   | PM     | BW101  |
| Surr: 4-Bromoflu    | lorobenzene                   | 103             | 52.4-148 |         | %Rec    | 1            | 11/10/2023 8:24:00   | PM     | BW101  |
| Lab ID:             | 2311003-003                   |                 | С        | ollecti | on Date | <b>e:</b> 10 | /31/2023 12:00:00  | PM     |        |
| Client Sample ID:   | : MW-6                        |                 |          |         | Matrix  | к: А(        | QUEOUS   |        |        |
| Analyses            |                               | Result          | RL       | Qual    | Units   | DF           | Date Analyzed  | Ba     | tch ID |
| EPA METHOD 80       | 21B: VOLATILES                |                 |          |         |         |              | Ana  | alyst: | RAA    |
| Benzene             |                               | ND              | 1.0      |         | ua/L    | 1            | 11/10/2023 8:46:00   | PM     | BW101  |
| Toluene             |                               | ND              | 1.0      |         | µg/L    | 1            | 11/10/2023 8:46:00   | PM     | BW101  |
| Ethylbenzene        |                               | ND              | 1.0      |         | µg/L    | 1            | 11/10/2023 8:46:00   | PM     | BW101  |
| Xylenes, Total      |                               | ND              | 2.0      |         | µg/L    | 1            | 11/10/2023 8:46:00   | PM     | BW101  |
| Surr: 4-Bromoflu    | Jorobenzene                   | 104             | 52.4-148 |         | %Rec    | 1            | 11/10/2023 8:46:00   | PM     | BW101  |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

- B Analyte detected in the associated Method Blank
   E Above Quantitation Range/Estimated Value
- E Above Quantitation Range/Estimated ValueJ Analyte detected below quantitation limits
- J Analyte detected below qu P Sample pH Not In Range
- RL Reporting Limit
- KL Reporting Limit

|                  |                    | - 1 4               | <b>T</b> |                | I           | Analytical Report Lab Order: 2311003 |        |        |
|------------------|--------------------|---------------------|----------|----------------|-------------|--------------------------------------|--------|--------|
| Hall Environ     | Ι                  | Date Reported: 11/1 | 5/202    | 23             |             |                                      |        |        |
| CLIENT:          | ENSOLUM            |                     |          | Ι              | .ab (       | <b>Drder:</b> 23110                  | 03     |        |
| Project:         | Lateral 2C 15 Sump |                     |          |                |             |                                      |        |        |
| Lab ID:          | 2311003-004        |                     | C        | ollection Date | <b>:</b> 10 | /31/2023 12:35:00                    | PM     |        |
| Client Sample ID | : MW-10            |                     |          | Matrix         | : A         | QUEOUS                               |        |        |
| Analyses         |                    | Result              | RL       | Qual Units     | DF          | Date Analyzed                        | Ba     | tch ID |
| EPA METHOD 80    | 21B: VOLATILES     |                     |          |                |             | Ana                                  | alyst: | RAA    |
| Benzene          |                    | ND                  | 1.0      | µg/L           | 1           | 11/10/2023 9:08:00                   | PM     | BW101  |
| Toluene          |                    | ND                  | 1.0      | µg/L           | 1           | 11/10/2023 9:08:00                   | PM     | BW101  |
| Ethylbenzene     |                    | ND                  | 1.0      | µg/L           | 1           | 11/10/2023 9:08:00                   | PM     | BW101  |
| Xylenes, Total   |                    | ND                  | 2.0      | µg/L           | 1           | 11/10/2023 9:08:00                   | PM     | BW101  |
| Surr: 4-Bromoflu | uorobenzene        | 104                 | 52.4-148 | %Rec           | 1           | 11/10/2023 9:08:00                   | PM     | BW101  |
| Lab ID:          | 2311003-005        |                     | С        | ollection Date | <b>:</b> 10 | /31/2023 1:15:00 F                   | PM     |        |
| Client Sample ID | : MW-2             |                     |          | Matrix         | : A         | QUEOUS                               |        |        |
| Analyses         |                    | Result              | RL       | Qual Units     | DF          | Date Analyzed                        | Ba     | tch ID |
| EPA METHOD 80    | 21B: VOLATILES     |                     |          |                |             | Ana                                  | alyst: | RAA    |
| Benzene          |                    | ND                  | 1.0      | µg/L           | 1           | 11/10/2023 9:30:00                   | PM     | BW101  |
| Toluene          |                    | ND                  | 1.0      | µg/L           | 1           | 11/10/2023 9:30:00                   | PM     | BW101  |
| Ethylbenzene     |                    | ND                  | 1.0      | µg/L           | 1           | 11/10/2023 9:30:00                   | PM     | BW101  |
| Xylenes, Total   |                    | 2.6                 | 2.0      | µg/L           | 1           | 11/10/2023 9:30:00                   | PM     | BW101  |
| Surr: 4-Bromoflu | Jorobenzene        | 101                 | 52.4-148 | %Rec           | 1           | 11/10/2023 9:30:00                   | PM     | BW101  |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B
   Analyte detected in the associated Method Blank

   E
   Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit
- RL Reporting Limit

## **QC SUMMARY REPORT** Hall Environmental Analysis Laboratory, Inc.

| WO#: | 2311003   |
|------|-----------|
|      | 15-Nov-23 |

Qual

| Client:    | ENSOLU         | JM             |           |
|------------|----------------|----------------|-----------|
| Project:   | Lateral 2      | C 15 Sump      |           |
| Sample ID: | 100ng btex lcs | SampType:      | LCS       |
| Client ID: | LCSW           | Batch ID:      | BW101095  |
| Prep Date: |                | Analvsis Date: | 11/10/202 |

| Prep Date:                 | Analysis E | Date: 11 | /10/2023  | 5           | SeqNo: 3713288 |          |           |  |  |  |
|----------------------------|------------|----------|-----------|-------------|----------------|----------|-----------|--|--|--|
| Analyte                    | Result     | PQL      | SPK value | SPK Ref Val | %REC           | LowLimit | HighLimit |  |  |  |
| Benzene                    | 19         | 1.0      | 20.00     | 0           | 96.6           | 70       | 130       |  |  |  |
| Foluene                    | 19         | 1.0      | 20.00     | 0           | 97.4           | 70       | 130       |  |  |  |
| Ethylbenzene               | 20         | 1.0      | 20.00     | 0           | 99.9           | 70       | 130       |  |  |  |
| Kylenes, Total             | 60         | 2.0      | 60.00     | 0           | 99.5           | 70       | 130       |  |  |  |
| Surr: 4-Bromofluorobenzene | 20         |          | 20.00     |             | 101            | 52.4     | 148       |  |  |  |

| Sample ID: <b>mb</b> | SampT      | уре: МЕ         | LK        | TestCode: EPA Method 8021B: Volatiles |                  |          |             |      |          |      |  |  |  |  |
|----------------------|------------|-----------------|-----------|---------------------------------------|------------------|----------|-------------|------|----------|------|--|--|--|--|
| Client ID: PBW       | Batch      | n ID: <b>BW</b> | /101095   | F                                     | RunNo: <b>1(</b> | 01095    |             |      |          |      |  |  |  |  |
| Prep Date:           | Analysis D | Date: 11        | /10/2023  | S                                     | SeqNo: 37        | 713289   | Units: µg/L |      |          |      |  |  |  |  |
| Analyte              | Result     | PQL             | SPK value | SPK Ref Val                           | %REC             | LowLimit | HighLimit   | %RPD | RPDLimit | Qual |  |  |  |  |
| Benzene              | ND         | 1.0             |           |                                       |                  |          |             |      |          |      |  |  |  |  |
| Toluene              | ND         | 1.0             |           |                                       |                  |          |             |      |          |      |  |  |  |  |
| Ethylbenzene         | ND         | 1.0             |           |                                       |                  |          |             |      |          |      |  |  |  |  |
| Xylenes, Total       | ND         | 2.0             |           |                                       |                  |          |             |      |          |      |  |  |  |  |

TestCode: EPA Method 8021B: Volatiles

%RPD

**RPDLimit** 

RunNo: 101095

| Surr: 4-Bromofluorobenzene | 20         |                 | 20.00     |             | 98.8                                  | 52.4     | 148         |      |          |      |  |  |  |
|----------------------------|------------|-----------------|-----------|-------------|---------------------------------------|----------|-------------|------|----------|------|--|--|--|
| Sample ID: 2311003-001ams  | Samp       | Type: MS        | 5         | Tes         | TestCode: EPA Method 8021B: Volatiles |          |             |      |          |      |  |  |  |
| Client ID: MW-8            | Batc       | h ID: <b>BW</b> | /101095   | F           | RunNo: <b>1(</b>                      | 01095    |             |      |          |      |  |  |  |
| Prep Date:                 | Analysis [ | Date: 11        | /10/2023  | S           | SeqNo: 37                             | 713296   | Units: µg/L |      |          |      |  |  |  |
| Analyte                    | Result     | PQL             | SPK value | SPK Ref Val | %REC                                  | LowLimit | HighLimit   | %RPD | RPDLimit | Qual |  |  |  |
| Benzene                    | 20         | 1.0             | 20.00     | 0           | 100                                   | 70       | 130         |      |          |      |  |  |  |
| Toluene                    | 20         | 1.0             | 20.00     | 0           | 99.6                                  | 70       | 130         |      |          |      |  |  |  |
| Ethylbenzene               | 20         | 1.0             | 20.00     | 0           | 98.9                                  | 70       | 130         |      |          |      |  |  |  |
| Xylenes, Total             | 61         | 2.0             | 60.00     | 1.286       | 99.0                                  | 70       | 130         |      |          |      |  |  |  |
| Surr: 4-Bromofluorobenzene | 22         |                 | 20.00     |             | 110                                   | 52.4     | 148         |      |          |      |  |  |  |

| Sample ID: 2311003-001amsd | SampT      | уре: <b>МS</b>  | D         | Tes         |               |          |             |       |          |      |  |  |  |
|----------------------------|------------|-----------------|-----------|-------------|---------------|----------|-------------|-------|----------|------|--|--|--|
| Client ID: MW-8            | Batch      | n ID: <b>BW</b> | /101095   | F           | RunNo: 101095 |          |             |       |          |      |  |  |  |
| Prep Date:                 | Analysis D | )ate: 11        | /10/2023  | S           | SeqNo: 37     | 713297   | Units: µg/L |       |          |      |  |  |  |
| Analyte                    | Result     | PQL             | SPK value | SPK Ref Val | %REC          | LowLimit | HighLimit   | %RPD  | RPDLimit | Qual |  |  |  |
| Benzene                    | 20         | 1.0             | 20.00     | 0           | 98.8          | 70       | 130         | 1.25  | 20       |      |  |  |  |
| Toluene                    | 20         | 1.0             | 20.00     | 0           | 99.2          | 70       | 130         | 0.397 | 20       |      |  |  |  |
| Ethylbenzene               | 19         | 1.0             | 20.00     | 0           | 96.9          | 70       | 130         | 2.09  | 20       |      |  |  |  |
| Xylenes, Total             | 59         | 2.0             | 60.00     | 1.286       | 96.8          | 70       | 130         | 2.27  | 20       |      |  |  |  |
| Surr: 4-Bromofluorobenzene | 21         |                 | 20.00     |             | 104           | 52.4     | 148         | 0     | 0        |      |  |  |  |

#### Qualifiers:

- Value exceeds Maximum Contaminant Level. \*
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- в Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

### Released to Imaging: 4/2/2024 1:23:18 PM

| HALL<br>ENVIRONMENTAL<br>ANALYSIS<br>LABORATORY   | Hall Environmenta<br>Alt<br>TEL: 505-345-397,<br>Website: www.h | l Analy,<br>490<br>nuquerq<br>5 FAX:<br>allenvir | sis Laboratory<br>1 Hawkins NE<br>ue. NM 87109<br>505-345-4107<br>onmental.com | San          | ample Log-In Check List                                |                   |  |  |  |  |  |
|---|---|--|--|--------------|--|-------------------|--|--|--|--|--|
| Client Name: ENSOLUM  | Work Order Number   | r: <b>231</b> 1                                  | 003  |              | RcptNo: 1  |                   |  |  |  |  |  |
| Received By: Tracy Casarrubias<br>Completed By: Tracy Casarrubias<br>Reviewed By: Scm 11/1/22   | 11/1/2023 6:15:00 AM<br>11/1/2023 7:16:01 AN                    | 1  |  |              |  |                   |  |  |  |  |  |
| Chain of Custody         1. Is Chain of Custody complete?         2. How was the sample delivered?  |   | Yes<br><u>Cou</u> i                              | ier  | No 🗹         | Not Present  |                   |  |  |  |  |  |
| Log In<br>3. Was an attempt made to cool the samples?   |   | Yes  |  | No 🗌         | NA 🗌   |                   |  |  |  |  |  |
| 4. Were all samples received at a temperature   | of >0° C to 6.0°C   | Yes  |  | No 🗌         | NA 🗌   |                   |  |  |  |  |  |
| 5. Sample(s) in proper container(s)?  |   | Yes  |  | No 🗌         |  |                   |  |  |  |  |  |
| <ul><li>6. Sufficient sample volume for indicated test(s)</li><li>7. Are samples (except VOA and ONG) propertion</li></ul>                        | )?<br>y preserved?  | Yes<br>Yes                                       |  | No 🗌<br>No 🗌 |  |                   |  |  |  |  |  |
| 8. Was preservative added to bottles?   |   | Yes  |  | No 🗹         | NA 🗌   |                   |  |  |  |  |  |
| 9. Received at least 1 vial with headspace <1/4   | " for AQ VOA?   | Yes  |  | No 🗍         |  |                   |  |  |  |  |  |
| 11. Does paperwork match bottle labels?<br>(Note discrepancies on chain of custody)   |   | Yes  |  | No 🗌         | # of preserved<br>bottles checked<br>for pH:<br>(<2 or | >12 unless noted) |  |  |  |  |  |
| 12. Are matrices correctly identified on Chain of   | Custody?  | Yes  |  | No 🗌         | Adjusted?  |                   |  |  |  |  |  |
| 13. Is it clear what analyses were requested?   |   | Yes  |  | No 🗌         |  | AL                |  |  |  |  |  |
| <ol> <li>Were all holding times able to be met?<br/>(If no, notify customer for authorization.)</li> </ol>  |   | Yes  |  | No 🗌         | Checked by:  | 1-1-23            |  |  |  |  |  |
| Special Handling (if applicable)  |   |  |  |              | V  |                   |  |  |  |  |  |
| 15. Was client notified of all discrepancies with   | his order?  | Yes  |  | No 🗌         | NA 🗹   |                   |  |  |  |  |  |
| Person Notified:<br>By Whom:<br>Regarding:<br>Client Instructions: Phone number is  | Date: Via: (  | _] eMa   | ail 🗌 Phon   | e 🗌 Fax      | In Person  |                   |  |  |  |  |  |
| 16. Additional remarks:         17. Cooler Information         Cooler No       Temp °C         Condition       Set         1       1.6       Good | eal Intact Seal No<br>S Yogi                                    | Seal D   | ate Sig  | ned By       |  |                   |  |  |  |  |  |

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| Page 124 of 138                       |                         | ANALYSIS LABORATORY  | www.hallenvironmental.com | 301 Hawkins NE - Albuquerque, NM 87109   | ALEOF 345-3075 Eav 505-345-4107 | Analysis Request | ¢05                                  | PCB's          | 280<br>10 <sub>2</sub><br>555 | 8/8/<br>504<br>8<br>3, 10<br>8<br>3, 10<br>8<br>8<br>7<br>9<br>7<br>9<br>7<br>7<br>9 | 000 ;<br>000 ;<br>000 ;<br>010 ; | estid<br>leth<br>3t,<br>AOA<br>sem<br>sem<br>sem   | 8081 Pd<br>EDB (M<br>PAHs b<br>RCRA 8<br>8270 (5<br>8270 (5<br>Total C  |                         |                   |               |                 |               |  |  |  | ks:                                 | Bill to Ensolum                       | <ul> <li>Any sub-contracted data will be clearly notated on the analytical report.</li> </ul> |
|---------------------------------------|-------------------------|----------------------|---------------------------|--|---------------------------------|------------------|--------------------------------------|----------------|-------------------------------|--|---|--|---|-------------------------|-------------------|---------------|-----------------|---------------|--|--|--|-------------------------------------|---------------------------------------|---|
|                                       | Turn-Around Time:       | K Standard D Rush    | Project Name:             | Lateral 2C-15 Sump                       | Project #:                      | 0541226105       | Project Manager:                     | , Sun 2 (802   | Sampler:                      | On Ice: Ves 🗆 No Uce:  | # of Coolers: 1   | Cooler Temp(Including CF): 1. V - Ø. 1. V - (°C) E | Container Preservative HEAL No. THEAL No. The Type and # Type 2311003 B | 3x yourlood Mally 001 X | 002 X             | 003 X         | Nooy X          | V V 005 X     |  |  |  | Received by: Via: Date Time Remains | Received by: Via: Couri-& Date ' Time | contracted to other accredited laboratories. This serves as notice of this possibil           |
| Received by OCD: 1/12/2024 7:25:31 AM | Chain-of-Custody Record | Client: Ensolum, LLC |                           | Mailing Address: 1 . 2 200 Brunde Suited |                                 | Phone #:         | email or Fax#: KsunnersQensolum. Con | QA/QC Package: | Accreditation:                |  | EDD (Type)  |  | Date Time Matrix Sample Name  | tokitzy 10:50 W MW-8    | 11 11:25 W WW - 7 | 17:00 W NW -6 | 12:35 W MW - 10 | V 1215 U MW-2 |  |  |  | Date: Time: Relinquished by:        | Date: Time: Relinquished by:          | Released to Imaging: 4/2/2024 1:23:18 PM  |



Environment Testing

Eurofins Environment Testing South Central, LLC 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

November 17, 2023

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX:

RE: Lateral 2C 15 Sump

OrderNo.: 2311120

Dear Kyle Summers:

Eurofins Environment Testing South Central, LLC received 9 sample(s) on 11/2/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

| Hall Environmental Ana | lysis Laboratory, Inc. |
|------------------------|------------------------|
|------------------------|------------------------|

Lab Order 2311120 Date Reported: 11/17/2023

| CLIENT: ENSOLUM             | Client Sample ID: MW-4 |                                     |        |              |                        |           |  |  |  |  |  |
|-----------------------------|------------------------|-------------------------------------|--------|--------------|------------------------|-----------|--|--|--|--|--|
| Project: Lateral 2C 15 Sump |                        | Collecti                            | on Dat | <b>e:</b> 11 | /1/2023 9:20:00 AM     |           |  |  |  |  |  |
| Lab ID: 2311120-001         | Matrix: AQUEOUS        | Received Date: 11/2/2023 6:45:00 AM |        |              |                        |           |  |  |  |  |  |
| Analyses                    | Result                 | RL Qual                             | Units  | DF           | Date Analyzed          | Batch     |  |  |  |  |  |
| EPA METHOD 8021B: VOLATILES |                        |                                     |        |              | Analyst                | RAA       |  |  |  |  |  |
| Benzene                     | ND                     | 1.0                                 | µg/L   | 1            | 11/11/2023 10:28:00 PN | 1 BW1011  |  |  |  |  |  |
| Toluene                     | ND                     | 1.0                                 | µg/L   | 1            | 11/11/2023 10:28:00 PM | 1 BW1011  |  |  |  |  |  |
| Ethylbenzene                | ND                     | 1.0                                 | µg/L   | 1            | 11/11/2023 10:28:00 PM | 1 BW1011  |  |  |  |  |  |
| Xylenes, Total              | ND                     | 2.0                                 | µg/L   | 1            | 11/11/2023 10:28:00 PM | 1 BW1011  |  |  |  |  |  |
| Surr: 4-Bromofluorobenzene  | 101 52                 | 4-148                               | %Rec   | 1            | 11/11/2023 10·28·00 PM | 1 BW 1011 |  |  |  |  |  |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| <b>Oualifiers:</b> |  |
|--------------------|--|
| Quantities.        |  |

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range RL Reporting Limit
- RL Rep

Date Reported: 11/17/2023

| CLIENT: ENSOLUM             |   | Client Sa | mple I | D: M | W-11                  |          |
|-----------------------------|---|-----------|--------|------|-----------------------|----------|
| Project: Lateral 2C 15 Sump | Collection Date: 11/1/2023 9:55:00 AM               |           |        |      |                       |          |
| Lab ID: 2311120-002         | Matrix: AQUEOUS Received Date: 11/2/2023 6:45:00 AM |           |        |      |                       |          |
| Analyses                    | Result  | RL Qual   | Units  | DF   | Date Analyzed         | Batch    |
| EPA METHOD 8021B: VOLATILES |   |           |        |      | Analys                | t: RAA   |
| Benzene                     | ND  | 1.0       | µg/L   | 1    | 11/11/2023 10:50:00 P | M BW1011 |
| Toluene                     | ND  | 1.0       | µg/L   | 1    | 11/11/2023 10:50:00 P | M BW1011 |
| Ethylbenzene                | ND  | 1.0       | µg/L   | 1    | 11/11/2023 10:50:00 P | M BW1011 |
| Xylenes, Total              | ND  | 2.0       | µg/L   | 1    | 11/11/2023 10:50:00 P | M BW1011 |
| Surr: 4-Bromofluorobenzene  | 102 52  | .4-148    | %Rec   | 1    | 11/11/2023 10:50:00 P | M BW1011 |

### Hall Environmental Analysis Laboratory, Inc.

B Analyte detected in the associated Method BlankE Above Quantitation Range/Estimated Value

- E Above Quantitation Range/Estimated ValuJ Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Released to Imaging: 4/2/2024 1:23:18 PM

\*

D

ND

S

**Qualifiers:** 

Value exceeds Maximum Contaminant Level.

H Holding times for preparation or analysis exceeded

% Recovery outside of standard limits. If undiluted results may be estimated.

Not Detected at the Reporting Limit

Sample Diluted Due to Matrix

PQL Practical Quanitative Limit

Analytical Report
Lab Order 2311120

11/11/2023 11:12:00 PM BW1011:

|   |   |               |    | -                     |           |
|---|---|---------------|----|-----------------------|-----------|
| CLIENT: ENSOLUM Client Sample ID: MW-12 |   |               |    |                       |           |
| Project: Lateral 2C 15 Sump             | Collection Date: 11/1/2023 10:20:00 AM              |               |    |                       |           |
| Lab ID: 2311120-003                     | Matrix: AQUEOUS Received Date: 11/2/2023 6:45:00 AM |               |    |                       |           |
| Analyses                                | Result  | RL Qual Units | DF | Date Analyzed         | Batch     |
| EPA METHOD 8021B: VOLATILES             |   |               |    | Analys                | t: RAA    |
| Benzene                                 | ND  | 1.0 µg/L      | 1  | 11/11/2023 11:12:00 P | M BW1011  |
| Toluene                                 | ND  | 1.0 μg/L      | 1  | 11/11/2023 11:12:00 P | M BW1011  |
| Ethylbenzene                            | ND  | 1.0 μg/L      | 1  | 11/11/2023 11:12:00 P | M BW10112 |
| Xylenes, Total                          | ND  | 2.0 µg/L      | 1  | 11/11/2023 11:12:00 P | M BW1011: |

52.4-148

%Rec

1

100

### Hall Environmental Analysis Laboratory, Inc.

Lab Order **2311120** Date Reported: **11/17/2023** 

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

**Analytical Report** Lab Order 2311120

11/11/2023 11:34:00 PM BW1011:

| Hall Environmental Analysi  |   |          |           | Date Reported: 11/17 | /2023               |            |
|-----------------------------|---|----------|-----------|----------------------|---------------------|------------|
| CLIENT: ENSOLUM             | Client S  | Sample I | D: M      | W-14                 |                     |            |
| Project: Lateral 2C 15 Sump |   | Collec   | ction Dat | te: 11/              | /1/2023 10:50:00 AN | Ν          |
| Lab ID: 2311120-004         | Matrix: AQUEOUS Received Date: 11/2/2023 6:45:00 AM |          |           |                      |                     |            |
| Analyses                    | Result  | RL Qua   | l Units   | DF                   | Date Analyzed       | Batch      |
| EPA METHOD 8021B: VOLATILES |   |          |           |                      | Analy               | vst: RAA   |
| Benzene                     | ND  | 1.0      | µg/L      | 1                    | 11/11/2023 11:34:00 | PM BW1011: |
| Toluene                     | ND  | 1.0      | µg/L      | 1                    | 11/11/2023 11:34:00 | PM BW1011: |
| Ethylbenzene                | ND  | 1.0      | µg/L      | 1                    | 11/11/2023 11:34:00 | PM BW1011: |
| Xylenes, Total              | ND  | 2.0      | µg/L      | 1                    | 11/11/2023 11:34:00 | PM BW1011: |

52.4-148

101

### Hall Environmental Analysis Laboratory, Inc.

в Analyte detected in the associated Method Blank

%Rec

1

- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range RL Reporting Limit

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S

Value exceeds Maximum Contaminant Level.

H Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

Sample Diluted Due to Matrix

Released to Imaging: 4/2/2024 1:23:18 PM

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ND

**Qualifiers:** 

**Analytical Report** 

11/11/2023 11:55:00 PM BW1011:

| CLIENT: ENSOLUM             | Client Sample ID: MW-13 |            |                 |    |                        |           |
|-----------------------------|-------------------------|------------|-----------------|----|------------------------|-----------|
| Project: Lateral 2C 15 Sump |                         | Collection | n Date:         | 11 | /1/2023 11:25:00 AM    |           |
| Lab ID: 2311120-005         | Matrix: AQUEOUS         | Received   | d Date:         | 11 | /2/2023 6:45:00 AM     |           |
| Analyses                    | Result                  | RL Qual U  | J <b>nits I</b> | )F | Date Analyzed          | Batch     |
| EPA METHOD 8021B: VOLATILES |                         |            |                 |    | Analyst                | RAA       |
| Benzene                     | ND                      | 2.0 µ      | ıg/L            | 5  | 11/11/2023 11:55:00 PM | / BW1011: |
| Toluene                     | 5.7                     | 2.0 µ      | ıg/L            | 5  | 11/11/2023 11:55:00 PM | / BW1011  |
| Ethylbenzene                | 52                      | 2.0 µ      | ıg/L            | 5  | 11/11/2023 11:55:00 PM | / BW10112 |
| Xylenes, Total              | 180                     | 4.0 µ      | ıg/L            | 5  | 11/11/2023 11:55:00 PM | / BW1011: |

52.4-148

119

%Rec

5

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2311120 Date Reported: 11/17/2023

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р RL Reporting Limit

Analytical Report
Lab Order 2311120

Date Reported: 11/17/2023

11/12/2023 12:17:00 AM BW1011:

| CLIENT: ENSOLUM             | Client Sample ID: MW-5 |         |         |              |                        |           |
|-----------------------------|------------------------|---------|---------|--------------|------------------------|-----------|
| Project: Lateral 2C 15 Sump |                        | Collect | ion Dat | <b>e:</b> 11 | /1/2023 11:55:00 AM    |           |
| Lab ID: 2311120-006         | Matrix: AQUEOUS        | Recei   | ved Dat | <b>e:</b> 11 | /2/2023 6:45:00 AM     |           |
| Analyses                    | Result                 | RL Qual | Units   | DF           | Date Analyzed          | Batch     |
| EPA METHOD 8021B: VOLATILES |                        |         |         |              | Analyst                | RAA       |
| Benzene                     | 4.9                    | 1.0     | µg/L    | 1            | 11/12/2023 12:17:00 AM | I BW1011: |
| Toluene                     | ND                     | 1.0     | µg/L    | 1            | 11/12/2023 12:17:00 AN | I BW1011: |
| Ethylbenzene                | 3.0                    | 1.0     | µg/L    | 1            | 11/12/2023 12:17:00 AN | 1 BW1011: |
| Xylenes, Total              | 8.3                    | 2.0     | µg/L    | 1            | 11/12/2023 12:17:00 AN | 1 BW1011: |

52.4-148

%Rec

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103

### Hall Environmental Analysis Laboratory, Inc.

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
  - H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- JAnalyte detected below quantitation limitsPSample pH Not In Range
- RL Reporting Limit
- RL .

**Qualifiers:** 

**Analytical Report** 

11/12/2023 12:39:00 AM BW1011:

| CLIENT: ENSOLUM Client Sample ID: MW-3 |   |        |           |        |                       |          |
|--|---|--------|-----------|--------|-----------------------|----------|
| Project: Lateral 2C 15 Sump            |   | Colle  | ction Dat | te: 11 | /1/2023 12:35:00 PM   |          |
| Lab ID: 2311120-007                    | Matrix: AQUEOUS Received Date: 11/2/2023 6:45:00 AM |        |           |        |                       |          |
| Analyses                               | Result  | RL Qua | l Units   | DF     | Date Analyzed         | Batch    |
| EPA METHOD 8021B: VOLATILES            |   |        |           |        | Analys                | t: RAA   |
| Benzene                                | 26  | 1.0    | µg/L      | 1      | 11/12/2023 12:39:00 A | M BW1011 |
| Toluene                                | ND  | 1.0    | µg/L      | 1      | 11/12/2023 12:39:00 A | M BW1011 |
| Ethylbenzene                           | 5.3   | 1.0    | µg/L      | 1      | 11/12/2023 12:39:00 A | M BW1011 |
| Xylenes, Total                         | 9.3   | 2.0    | µg/L      | 1      | 11/12/2023 12:39:00 A | M BW1011 |

52.4-148

148

%Rec

1

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2311120 Date Reported: 11/17/2023

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

\* **Qualifiers:** 

- Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р RL Reporting Limit

| Hall | Environmenta | l Anal | ysis I | Laborat | ory, ] | Inc. |
|------|--------------|--------|--------|---------|--------|------|
|      |              |        | •      |         | • •    |      |

| Date Reported: 11/17/2023 |  |
|---------------------------|--|
|---------------------------|--|

| CLIENT:ENSOLUMProject:Lateral 2C 15 SumpLab ID:2311120-008 | Client Sample ID: MW-9           Collection Date: 11/1/2023 1:20:00 PM           Matrix: AQUEOUS         Received Date: 11/2/2023 6:45:00 AM |        |            |    |                       |         |
|--|--|--------|------------|----|-----------------------|---------|
| Analyses   | Result   | RL     | Qual Units | DF | Date Analyzed         | Batch   |
| EPA METHOD 8021B: VOLATILES                                |  |        |            |    | Analyst               | RAA     |
| Benzene  | 2000   | 50     | µg/L       | 50 | 11/12/2023 1:22:00 AM | BW1011: |
| Toluene  | 620  | 50     | µg/L       | 50 | 11/12/2023 1:22:00 AM | BW1011: |
| Ethylbenzene   | 140  | 50     | µg/L       | 50 | 11/12/2023 1:22:00 AM | BW1011: |
| Xylenes, Total   | 1000   | 100    | µg/L       | 50 | 11/12/2023 1:22:00 AM | BW1011: |
| Surr: 4-Bromofluorobenzene                                 | 98.4 52  | .4-148 | %Rec       | 50 | 11/12/2023 1:22:00 AM | BW1011; |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank В
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р RL Reporting Limit

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| Hall Environmental Analysis Laboratory, Inc. |             |  | D    |
|--|-------------|--|------|
|  | <b>C</b> 11 |  | <br> |

Date Reported: 11/17/2023

| CLIENT:   | ENSOLUM              | Client Sample ID: MW-1                              |        |         |      |    |                       |         |
|-----------|----------------------|---|--------|---------|------|----|-----------------------|---------|
| Project:  | Lateral 2C 15 Sump   | Collection Date: 11/1/2023 2:00:00 PM               |        |         |      |    |                       |         |
| Lab ID:   | 2311120-009          | Matrix: AQUEOUS Received Date: 11/2/2023 6:45:00 AM |        |         |      |    |                       |         |
| Analyses  |                      | Result  | RL     | Qual Un | nits | DF | Date Analyzed         | Batch   |
| ΕΡΑ ΜΕΤ   | HOD 8021B: VOLATILES |   |        |         |      |    | Analyst               | RAA     |
| Benzene   |                      | 910   | 20     | μg      | /L   | 20 | 11/12/2023 1:44:00 AM | BW1011: |
| Toluene   |                      | 2000  | 20     | μg      | /L   | 20 | 11/12/2023 1:44:00 AM | BW1011: |
| Ethylbenz | zene                 | 120   | 20     | μg      | /L   | 20 | 11/12/2023 1:44:00 AM | BW1011: |
| Xylenes,  | Total                | 3400  | 40     | μg      | /L   | 20 | 11/12/2023 1:44:00 AM | BW1011: |
| Surr: 4   | -Bromofluorobenzene  | 114 52  | .4-148 | %F      | Rec  | 20 | 11/12/2023 1:44:00 AM | BW1011: |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

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- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- ND PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| WO#: | 2311120   |
|------|-----------|
|      | 17-Nov-23 |

| Project: Lateral 2C 15 Sump | Client:  | ENSOLUM            |
|-----------------------------|----------|--------------------|
|                             | Project: | Lateral 2C 15 Sump |

| Sample ID: 100ng btex lcs  | Samp       | Гуре: <b>LC</b> | S         | Tes         | tCode: E  | PA Method | 8021B: Volati | les  |          |      |
|----------------------------|------------|-----------------|-----------|-------------|-----------|-----------|---------------|------|----------|------|
| Client ID: LCSW            | Batc       | h ID: BV        | 101128    | F           | RunNo: 10 | 01128     |               |      |          |      |
| Prep Date:                 | Analysis I | Date: 11        | /11/2023  | Ş           | SeqNo: 37 | 714283    | Units: µg/L   |      |          |      |
| Analyte                    | Result     | PQL             | SPK value | SPK Ref Val | %REC      | LowLimit  | HighLimit     | %RPD | RPDLimit | Qual |
| Benzene                    | 19         | 1.0             | 20.00     | 0           | 96.0      | 70        | 130           |      |          |      |
| Toluene                    | 19         | 1.0             | 20.00     | 0           | 96.9      | 70        | 130           |      |          |      |
| Ethylbenzene               | 20         | 1.0             | 20.00     | 0           | 99.2      | 70        | 130           |      |          |      |
| Xylenes, Total             | 60         | 2.0             | 60.00     | 0           | 99.6      | 70        | 130           |      |          |      |
| Surr: 4-Bromofluorobenzene | 20         |                 | 20.00     |             | 102       | 52.4      | 148           |      |          |      |
| Sample ID: mb              | Samp       | Гуре: МЕ        | BLK       | Tes         | tCode: EF | PA Method | 8021B: Volati | les  |          |      |
| Client ID: PBW             | Batc       | h ID: <b>BV</b> | 101128    | F           | RunNo: 10 | 01128     |               |      |          |      |
| Prep Date:                 | Analysis I | Date: 11        | /11/2023  | \$          | SeqNo: 3  | 714284    | Units: µg/L   |      |          |      |
| Analyte                    | Result     | PQL             | SPK value | SPK Ref Val | %REC      | LowLimit  | HighLimit     | %RPD | RPDLimit | Qual |
| Benzene                    | ND         | 1.0             |           |             |           |           |               |      |          |      |
| Toluene                    | ND         | 1.0             |           |             |           |           |               |      |          |      |
| Ethylbenzene               | ND         | 1.0             |           |             |           |           |               |      |          |      |
| Xylenes, Total             | ND         | 2.0             |           |             |           |           |               |      |          |      |
| Surr: 4-Bromofluorobenzene | 19         |                 | 20.00     |             | 96.4      | 52.4      | 148           |      |          |      |

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit
- Released to Imaging: 4/2/2024 1:23:18 PM



#### Eurofins Environment Testing South Central, LLC 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

## Sample Log-In Check List

**Client Name: ENSOLUM** Work Order Number: 2311120 RcptNo: 1 Received By: 11/2/2023 6:45:00 AM Tracy Casarrubias Completed By: Tracy Casarrubias 11/2/2023 11:48:54 AM 7113/23 Reviewed By: Chain of Custody No 🗹 Yes 🗌 Not Present 1. Is Chain of Custody complete? 2. How was the sample delivered? Courier Log In NA 🗌 No 🗌 3. Was an attempt made to cool the samples? Yes 🗹 No 🗌 NA 🗌 4. Were all samples received at a temperature of >0° C to 6.0°C Yes 🔽 Yes 🗹 No 🗌 5. Sample(s) in proper container(s)? No 🗍 Yes 🔽 6. Sufficient sample volume for indicated test(s)? No 🗌 Yes 🗹 7. Are samples (except VOA and ONG) properly preserved? No 🗹 NA 🗌 Yes 🗋 8. Was preservative added to bottles? No 🗌 Yes 🗹 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No 🗹 10. Were any sample containers received broken? # of preserved bottles checked Yes 🗹 No 🗌 for pH: 11. Does paperwork match bottle labels? (<2 or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? No 🗌 12. Are matrices correctly identified on Chain of Custody? Yes No 🗌 Yes 13. Is it clear what analyses were requested? Checked by  $\checkmark$ No 🗌 14. Were all holding times able to be met? Yes (If no, notify customer for authorization.) Special Handling (if applicable) NA 🗹 Yes 🗌 No 🗌 15. Was client notified of all discrepancies with this order? Person Notified: Date: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: Phone number and project manager are missing on COC- TMC 11/2/23

16. Additional remarks:

#### 17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1         | 0.6     | Good      | Yes         | Yogi    |           |           |

| ЧM       |
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| vecenea  | inh ann       | 1/14/40      | MIV 10.07:/ 47   |                                   |                  |                               |                       |           |           |                 |           |               |                | T fo / CT agna | 2   |
|----------|---------------|--------------|--|-----------------------------------|------------------|-------------------------------|-----------------------|-----------|-----------|-----------------|-----------|---------------|----------------|----------------|-----|
| 0        | hain          | -of-Cu       | ustody Record  | Turn-Around Tim                   | ä                |                               |                       |           |           | -               |           | - Car         |                |                |     |
| Client:  | E<br>S        | 20           | 2, 22  | K Standard                        | C Rush           |                               |                       | 1         | AN        | X L             | SIS       |               | BOR            | ATORY          |     |
|          |               |              | ~  | Project Name:                     |                  |                               |                       |           | MMM       | hallen          | /ironr    | iental.       | Ш              |                |     |
| Mailing  | Address       | S            | S. Ris Corrend a Shilled   | Lateral                           | 1-22             | 5 Sump                        | 49                    | 01 Hav    | /kins N   | -<br>-<br>-     | enbno     | rque, l       | VM 8710        | 0              |     |
| Azta     | N. 2          | N A          | 14 (0  | Project #:                        |                  |                               | Ť                     | el. 505-  | 345-39    | 75              | Fax 5     | 05-34         | 5-4107         |                |     |
| Phone    | #<br>         |              |  | 05A127                            | 6105             |                               |                       |           |           | Anal            | ysis F    | eque          | st             |                |     |
| email o  | r Fax#:       | Low          | merseensolan.con   | Project Manager:                  |                  |                               | (0)<br>(0)            |           |           | *OS             |           | (tue          |                |                | _   |
| QAVQC    | Package:      |              |  |                                   |                  |                               | 208)<br>AM \ (        | s'80      | SMIS      | S '*Oo          | _         | əsdA\         | -              |                |     |
|          | laara         |              | Level 4 (Full Validation)  |                                   |                  |                               | ୦ଧ<br>ଟ,ସ୍ପ           | с Р       | 502       | ч '²            |           | /µu€          |                |                |     |
| Accredi  | itation:      |              | ompliance  | Sampler:                          |                  |                               | MT-                   | (1 1      | 28.       | ON              |           | rese<br>,)    |                |                |     |
|          | AC<br>(Tyne)  |              |  | On Ice: W                         | es               | No yagi                       | оче<br><del>/ Э</del> | lles<br>l | 0 0       | O <sup>3°</sup> |           | 40\<br>       | ~              |                |     |
|          | - /22/ - /    |              | a state of the sta | Conler Temparative                | - on Via         | (U.)                          | )0<br>11              | ticid     | 834       | 19N             | (A        | '-in<br>noi   | -              |                |     |
|          |               |              |  |                                   | 18 CF). O. G     | 101 0.10 ± 0                  | 9108<br>N / 1         | s99       | pà g      | 8 l             | ΌΛ)       | 192)<br>HiloD |                |                |     |
| Date     | Time          | Matrix       | Sample Name  | Container Pree<br>Type and # Type | servative<br>e   | 311120                        | хэта<br>з:нчт         | 18081     | sHA9      | сі'             | 8260      | 8270<br>Total |                |                |     |
| 11/1/23  | 9:20          | 3            | MW-4   | 1 491-TwohxE                      | 201              | 100                           | X                     |           |           |                 |           |               |                |                |     |
| -        | 9:55          | 2            | MW-11  |                                   | 1                | 200                           | X                     |           |           |                 |           |               |                |                |     |
| 2        | 10:20         | (ma)         | MW-12  |                                   |                  | 003                           | Ϋ́                    |           |           |                 |           |               |                |                |     |
|          | 10:50         | 3            | NW-14  |                                   |                  | GOY                           | Ϋ́                    |           |           |                 |           | 1.20          |                |                |     |
|          | 11:25         | 3            | MW-13  |                                   |                  | 005                           | Х                     |           |           | 1               |           |               |                |                |     |
|          | 11:55         | 3            | MW-5   |                                   |                  | 200                           | X                     |           |           |                 |           |               |                |                |     |
|          | 1235          | 3            | NW-2   |                                   |                  | F00                           | X                     |           |           |                 |           |               |                |                |     |
|          | 13:20         | 3            | MW - 9   |                                   |                  | 005                           | K                     | _         |           |                 |           |               |                |                |     |
| 3        | 14:00         | 3            | MW-1   |                                   | >                | 009                           | X                     |           |           |                 |           |               |                |                |     |
|          |               |              |  |                                   |                  |                               |                       |           |           | _               |           | -             | _              |                |     |
|          |               |              |  |                                   |                  |                               |                       |           |           | _               |           |               |                |                |     |
|          | Timo.         | Dolinarioh   |  |                                   |                  | Data                          |                       | _         |           | -               |           | -             |                |                |     |
| 1/1/23   | 1 Lesu        |              |  | A A A A                           | E E              | 11/23 1656                    | кетагк                |           | ſ         | -               | -         | L             | _              |                |     |
| Date:    | Time:<br>[744 | Relinquish   | ed by:   | Received by: Via                  | ::Counter        | Date Time<br>/2/23 (0:45      |                       |           | 2         | _               | 9         | ひヱ            | 20105          | 5              |     |
| Released | f necessary,  | samples sult | omitted to Hall Environmental may be subot   | ontracted to other accredit       | ed laboratories. | This serves as notice of this | possibility.          | Any sub-c | ontracted | data will b     | e clearly | notated o     | on the analyti | cal report.    | , · |

12 Sunst

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

## **State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Action 302990

| CONDIT                         | IONS   |
|--------------------------------|--|
| Operator:                      | OGRID:   |
| Enterprise Field Services, LLC | 241602   |
| PO Box 4324                    | Action Number:   |
| Houston, TX 77210              | 302990   |
|                                | Action Type:   |
|                                | [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT) |

#### CONDITIONS

| Created By       | Condition               | Condition |
|------------------|-------------------------|-----------|
|                  |                         | Date      |
| michael.buchanan | Accepted for the record | 4/2/2024  |