



**CLOSURE REPORT**

Property:

**Line 1003**

**Unit H, S26, T24S, R28E  
32.192149° N, 104.052583° W  
Eddy County, New Mexico  
NMOCD Incident ID: nAPP2332441886**

August 21, 2024

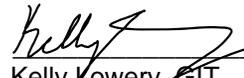
Ensolum Project No. 03B1226319

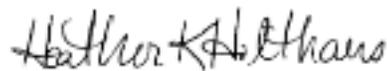
Prepared for:

**Enterprise Field Services, LLC  
PO Box 4324  
Houston, Texas 77210**

**Attn: Robert Dunaway**

Prepared by:

  
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Kelly Lowery, GIT  
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\_\_\_\_\_  
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Senior Project Manager



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## CLOSURE REPORT

### Line 1003

Unit H, S26, T24S, R28E  
 32.192149° N, 104.052583° W  
 Eddy County, New Mexico  
 NMOCD Incident ID: nAPP2332441886

Ensolum Project No. 03B1226319

## 1.0 INTRODUCTION

### 1.1 Site Description & Background

|                    |  |
|--------------------|--|
| <b>Operator:</b>   | Enterprise Field Services, LLC (Enterprise)  |
| <b>Site Name:</b>  | Line 1003  |
| <b>Location:</b>   | Unit H, Section 26, Township 24 South, Range 28 East<br>32.192149° N, 104.052583° W<br>Eddy County, New Mexico |
| <b>Property:</b>   | Private (Scott Branson Land Division)  |
| <b>Regulatory:</b> | New Mexico Energy, Minerals and Natural Resources Department (EMNRD)<br>Oil Conservation Division (OCD)        |

On November 3, 2023, Enterprise had a release of natural gas and natural gas liquids on the 1003 pipeline. The pipeline was isolated, depressurized, locked, and tagged out. No fires or injuries occurred. Approximately 1.31 one-thousand cubic feet (MCF) of natural gas was released to the atmosphere, along with approximately 5 barrels (bbls) of condensate released onto the ground surface, with no recovery. Enterprise reported the release to the New Mexico EMNRD OCD via a report through the online notice of release (NOR) form on November 20, 2023, subsequent to determining the release to be reportable. The release was assigned Incident Number nAPP2332441886.

The **Topographic Map** depicting the location of the Site is included as **Figure 1**, and the **Site Vicinity Map** is included as **Figure 2** in **Appendix A**.

### 1.2 Project Objective

The primary objective of the closure activities was to reduce chemicals of concern (COC) concentrations in the on-Site soil to be in compliance with the applicable New Mexico EMNRD OCD closure criteria concentrations.

## 2.0 CLOSURE CRITERIA

The Site is subject to regulatory oversight by the New Mexico EMNRD OCD. In order to address activities related to exempt oil and gas releases, the New Mexico EMNRD OCD references New Mexico Administrative Code (NMAC) 19.15.29 *Releases*, which establishes investigation and abatement action requirements for sites subject to reporting and/or corrective action. Ensolum, LLC (Ensolum) utilized information provided by Enterprise, the general Site characteristics, and information available from the New Mexico Office of the State Engineer (OSE) and the New Mexico EMNRD OCD Imaging database to



determine the appropriate closure criteria for the Site. The gas portion of this release constitutes venting that occurred during an emergency or a malfunction, as authorized by the New Mexico EMNRD OCD regulations at NMAC 19.15.28.8.A and B(1). This release therefore is not prohibited by NMAC 19.15.29.8.A. Supporting documentation and figures associated with the following bullets are provided in **Appendix B**.

- Five exploratory water wells were identified within a 0.5-mile radius of the Site on the OSE Water Rights Reporting System (WRRS) database. The closest well (C-04180-POD-1), located approximately 0.25-mile northwest of the Site, was installed in 2018 with a recorded depth to groundwater of 58 feet bgs.
- The Site is not located within 300 feet of a New Mexico ENMRD OCD-defined continuously flowing watercourse or significant watercourse.
- The Site is not located within 200 feet of a lakebed, sinkhole, or playa lake.
- The Site is not located within 300 feet from a permanent residence, school, hospital, institution, or church.
- According to the OSE WRSS database there are no private, domestic freshwater wells used by less than five households for domestic or stock water purposes identified within 500 feet of the Site.
- According to the OSE WRSS database there are no freshwater wells identified within 1,000 feet of the Site.
- The Site is not located within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to New Mexico Statute Annotated (NMSA) 1978, Section 3-27-3.
- Based on information identified on the National Wetlands Inventory surface waters and wetlands mapper, the Site is not located within 300 feet of a wetland. However, based on a review of the topographic map, there is an intermittent lake located approximately 150 feet east of the Site.
- Based on information identified on the New Mexico Mining and Minerals Division's Geographical Information System (GIS), Maps and Mine Data database, the Site is not located within an area overlying a subsurface mine.
- Based on the Karst Occurrence Potential (.kmz) provided by the BLM, the Site is not located within an unstable area, also referred to as medium karst potential.
- The Site is not located within a 100-year floodplain.

Based on the identified siting criteria, cleanup goals for soils remaining in place at the Site include:

| Closure Criteria for Soils Impacted by a Release   |                   |                          |           |
|--|-------------------|--------------------------|-----------|
| Minimum depth below any point within horizontal boundary of the release to groundwater less than 10,000 mg/l TDS | Constituent       | Method                   | Limit*    |
| ≤ 50 feet  | Chloride**        | EPA 300.0 or SM4500 CI B | 600 mg/kg |
|  | TPH (GRO+DRO+MRO) | EPA SW-846 Method 8015M  | 100 mg/kg |

Closure Report  
Line 1003

August 21, 2024

|  |         |                                     |          |
|--|---------|-------------------------------------|----------|
|  | BTEX    | EPA SW-846 Method<br>8021B or 8260B | 50 mg/kg |
|  | Benzene | EPA SW-846 Method<br>8021B or 8260B | 10 mg/kg |

\*Numerical limits or natural background level, whichever is greater.

\*\*This applies to releases of produced water or other fluids, which may contain chloride

### 3.0 SOIL REMEDIATION ACTIVITIES

On November 3, 2023, Enterprise had a release of natural gas and natural gas liquids on the 1003 pipeline. The pipeline was isolated, depressurized, locked, and tagged out. No fires or injuries occurred. Approximately 1.31 MCF of natural gas was released to the atmosphere, along with approximately 5 bbls of condensate released onto the ground surface, with no recovery. Following submittal of an emergency New Mexico One-Call (NM-811), corrective action activities were commenced by New Mexico Rental Pipeline, LLC (NMR) utilizing a backhoe to excavate soils immediately surrounding the 1003 pipeline in order to repair and replace the affected pipeline.

During corrective action activities, soils were removed immediately surrounding the pipeline in order to repair and/or replace the affected pipeline. The excavated soils were temporarily placed in soil stockpiles adjacent to the excavation prior to be taken off-Site for proper disposal. On December 11, 2023, Ensolum arrived on-Site to collect five composite soil samples from the excavation floor (FS01 through FS05) and six composite soil samples from the excavation sidewalls (SW01 through SW06). The composite excavation floor samples were collected at depths ranging from nine to 11 feet bgs, and the composite excavation sidewall samples were collected at a depth of 0-9 feet bgs. In addition, four delineation soil samples from around the release extent (NW, NE, SW and SE) were collected at a depth of 0.25 feet bgs. Additionally, Ensolum collected two composite soil samples from the soil stockpiles on-Site (W-STK and W-STK) prior to off-Site disposal. Based on laboratory analytical results, additional excavation was required.

In March and April 2024 excavation activities continued based on laboratory analytical data. Between March 20 and April 24, 2024, Ensolum collected a total of five composite soil samples from the excavation floor (FS01 through FS05) at a depth of 18 feet bgs, 13 composite soil samples from six locations from the excavation sidewalls (SW01 through SW06) at depths of 0-9 and 9-18 feet bgs, and 15 delineation soil samples from eight locations around the release extent (NW, NE, S/S-01, E01, E02, N/N-01, W01, and W02) at a depth of 0.25 feet bgs. In addition, Ensolum collected 18 background soil samples from two locations outside of the release area (BS01 and BS02), at two-foot intervals down to 18 feet bgs. Additionally, Ensolum collected two composite soil samples from the soil stockpiles on-Site (STOCKPILE 1 and STOCKPILE 2) prior to off-Site disposal. Based on laboratory analytical data of the final confirmation and delineation soil samples, no additional excavation or remediation activities were necessary.

The composite soil samples were analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX), total petroleum hydrocarbons (TPH), gasoline range organics (GRO), diesel range organics (DRO), motor oil/lube oil range organics (MRO), and/or chloride in accordance with the New Mexico EMNRD OCD Closure Criteria for Soils Impacted by a Release ( $\leq$  50 feet) (NMOCD Closure Criteria).

Due to the proximity of other pipelines in the area, the excavation was unable to be expanded in an east-west direction. The final excavation area measured approximately 40 feet long and 13 feet wide at the maximum extents, with a depth of 18 feet bgs.

The lithology encountered during the completion of closure activities consisted primarily of a silty loam.

A total of approximately 347 cubic yards of excavated soils were removed from the excavation area and transported for off-Site disposal. The excavated area was backfilled with clean imported fill material and contoured to the original surrounding grade.

**Figure 3** is a map that identifies approximate soil sample locations and depicts the approximate dimensions of the impacted blowout bell hole extent and the pipeline repair over excavation extent with respect to the pipeline (**Appendix A**). Photographic documentation of the field activities is included in **Appendix C**.

#### 4.0 SOIL SAMPLING PROGRAM

Ensolum's soil sampling program from December 11, 2023 through April 24, 2024 included the collection of a total of 10 composite soil samples from five locations on the excavation floor (FS01 through FS05), 19 composite soil samples from six locations on the excavation sidewalls (SW01 through SW06), 19 delineation soil samples from 10 locations at areas just outside the excavation (NW, NE, SW, SE, S/S-01, E01, E02, N/N-01, W01 and W02), four composite soil samples from the soil stockpiles staged on-Site (W-STK, E-STK, STOCKPILE 1 and STOCKPILE 2), and a total of 18 background soil samples from two locations outside the excavation area (BS01 and BS02) for laboratory analysis.

The composite soil samples were collected and placed in laboratory prepared glassware, labeled/sealed using laboratory supplied labels and custody seals, and stored on ice in a cooler. The samples were relinquished to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico or Cardinal Laboratories in Hobbs, New Mexico, under proper chain-of-custody procedures.

#### 5.0 SOIL LABORATORY ANALYTICAL METHODS

The composite soil samples were analyzed for BTEX following United States Environmental Protection Agency (EPA) SW-846 Method 8021B, TPH GRO/DRO/MRO following EPA SW-846 Method 8015M/D, and/or chloride using EPA Method 300.0.

Laboratory analytical results are summarized in **Table 1** and **Table 2** in **Appendix D**. The executed chain-of-custody forms and laboratory data sheets are provided in **Appendix E**.

#### 6.0 DATA EVALUATION

Ensolum compared the benzene, total BTEX, and TPH-GRO/DRO/MRO concentrations to laboratory sample detection limits (SDLs) associated with the final composite soil samples from the excavation floor and sidewalls (FS01 through FS05 and SW01 through SW06), and the final delineation soil samples (NW, NE, SW, SE, S/S-01, E01, E02, N/N-01, W01 and W02) for soils left in place at the Site, and the soil stockpile samples (W-STK, E-STK, STOCKPILE 1 and STOCKPILE 2) to the NMOCD Closure Criteria.

Ensolum utilized the detected concentrations of chloride in the 18 background soil samples collected at locations outside of the impacted area (BS01 and BS02). The samples were collected no closer than 50 feet but no farther than 100 feet from the lateral and horizontal extents of the release's impact area and to a terminal depth that matched the final depth within the excavation to determine a site-specific chloride limit for the Site based on NMAC 19.15.29.11 (A) (5) (c) and (d). Ensolum compared the chloride concentrations and or laboratory SDLs associated with the final confirmation and delineation soil samples (FS01 through FS05, SW01 through SW06, NW, NE, SW, SE, S/S-01, E01, E02, N/N-01, W01 and W02) to the highest observed chloride concentration from background soil samples BS01 and BS02.

- Laboratory analytical results indicate benzene concentrations for soils remaining in place do not exceed the laboratory SDLs and/or the NMOCD Closure Criteria of 10 milligrams per kilogram (mg/kg).
- Laboratory analytical results indicate total BTEX concentrations for soils remaining in place do not exceed the laboratory SDLs or the NMOCD Closure Criteria of 50 mg/kg.
- Laboratory analytical results indicate combined TPH-GRO/DRO/MRO concentrations for soils remaining in place do not exceed the laboratory SDLs or the applicable NMOCD Closure Criteria of 100 mg/kg for depth to groundwater  $\leq$ 50 feet.
- Laboratory analytical results indicate chloride concentrations for soils remaining in place do not exceed the background site specific chloride limit of 2,270 mg/kg.

- Laboratory analytical results for the soil stockpiles indicated combined TPH-GRO/DRO/MRO concentrations above the applicable NMOCD Closure Criteria of 100 mg/kg for depth to groundwater  $\leq 50$  feet; however, the soil stockpiles were transported off-Site for proper disposal.

Laboratory analytical results are summarized in **Table 1** and **Table 2** in **Appendix D**.

## 7.0 RECLAMATION AND RE-VEGETATION

The release occurred in a vegetative zone along the Enterprise right-of-way (ROW) and as such, a reclamation requirement of 600 mg/kg chloride (or background) and 100 mg/kg TPH was applied to the top 4 feet of the vegetative area that was impacted by the release per 19.15.29.13.D (1) NMAC. The following Reclamation Plan addresses reclamation of the off-pad area:

- The excavation was backfilled with locally fill material and topsoil to match surrounding grade. Approximately 2 feet of topsoil has been placed on top of the backfill area to support vegetative growth within the disturbed area;
- Soil in the vicinity of the release include: predominately silty loam and loam;
- The backfilled areas will be seeded utilizing a weed-free seed mix designed by the BLM to meet reclamation standards for this region, which will be: Pecos District BLM Seed Mix for Loamy, SD-3 Ecological Site.
- The seed mixture will be distributed with one of the following methods: push broadcaster seed spreader / tractor operated broadcast seed spreader / drill seeding / other means;
- Application of the seed mixture will be at a coverage of either 10 pounds of seeds per acre of reclaimed pasture with distribution by a drilling method, or 20 pounds of seeds per acre of reclaimed pasture with distribution by a broadcast method, whichever is more applicable;
- Erosion control management will potentially include:
  - The placement of wattles in areas with a propensity for high run off rates;
  - Straw cover if high winds are anticipated to support moisture retention and limit wind from blowing seeds away before they have had time to germinate; and/or
  - Other erosional control best management practices (BMP) as necessary to support timely and healthy regrowth of vegetation in disturbed areas;
- Backfilling of the excavation has already been completed;
- Seeding is anticipated to be completed within the next month when temperatures and precipitation is most conducive for vegetation growth. In general, seeding should occur approximately one month after the last frost in the Spring up until approximately one month prior to the first fall frost;
- If seeding occurs outside of the 180 days approved in the current fully executed ROE Permit, a new ROE Permit will be executed prior to entering the pasture for reclamation activities;
- Annual inspections (at a minimum), will take place on the location until revegetation is consistent with local natural vegetation density. The Site will be inspected the following Spring/Fall to assess the success of regrowth. If necessary, an additional application of the BLM-approved pure live seed mixture will be applied as well as any needed BMPs will be installed to support growth and limit erosion;
- Upon completion of revegetation, a copy of the C-103 will be submitted to NMOCD for final inspection and release.

## 8.0 FINDINGS AND RECOMMENDATION

- On November 3, 2023, Enterprise had a release of natural gas and natural gas liquids at the Site on the 1003 pipeline. The pipeline was isolated, depressurized, locked, and tagged out. No fires or injuries occurred. Approximately 1.31 MCF of natural gas was released to the atmosphere, along with approximately 5 bbls of condensate released onto the ground surface, with no recovery.
- Following submittal of an emergency NM-811, corrective action activities were commenced by NMR utilizing a backhoe to excavate soils immediately surrounding the 1003 pipeline in order to repair and replace the affected pipeline.
- Ensolum's soil sampling program from December 11, 2023 through April 24, 2024 included the collection of a total of 10 composite soil samples from five locations on the excavation floor (FS01 through FS05) at depths ranging from 9 to 18 feet bgs, 19 composite soil samples from six locations on the excavation sidewalls (SW01 through SW06) at depths ranging from 0-9 and 9-18 feet bgs, 19 delineation soil samples from 10 locations at areas just outside the excavation (NW, NE, SW, SE, S/S-01, E01, E02, N/N-01, W01 and W02) at a depth of 0.25 feet bgs, four composite soil samples from the soil stockpiles staged on-Site (W-STK, E-STK, STOCKPILE 1 and STOCKPILE 2), and a total of 18 background soil samples, collected at two-foot intervals down to 18 feet bgs, from two locations outside the excavation area (BS01 and BS02) for laboratory analysis.
- The primary objective of the closure activities was to reduce COC concentrations in the on-Site soil to be in compliance with applicable NMOCD Closure Criteria for Soils Impacted by a Release using the New Mexico EMNRD OCD's NMAC 19.15.29 Releases as guidance.
- Due to the proximity of other pipelines in the area, the excavation was unable to be expanded in an east-west direction. The final excavation area measured approximately 40 feet long and 13 feet wide at the maximum extents, with a depth of 18 feet bgs.
- Based on the final soil laboratory analytical results, soils remaining in place at the Site do not exhibit benzene, total BTEX, or TPH GRO/DRO/MRO concentrations above the applicable NMOCD Closure Criteria, or chloride concentrations above the background site specific limit for the Site.
- A total of approximately 347 cubic yards of excavated soils were removed from the excavation area and transported for off-Site disposal. The excavated area was backfilled with clean imported fill material and contoured to the original surrounding grade. A BLM-approved seed mixture will be sown into the surface of the backfill for re-vegetation per the above stated Reclamation Plan.

**Based on field observations and laboratory analytical results, no additional investigation or corrective action appears warranted at this time.**

## 9.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

### 9.1 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). This scope of services was performed in accordance with the scope of work agreed with the client, as detailed in our proposal.

## 9.2 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 in other areas or portions of the Site may vary from those encountered at actual sample locations. Ensolum's findings and recommendations are based solely upon data available to Ensolum at the time of these services.

## 9.3 Reliance

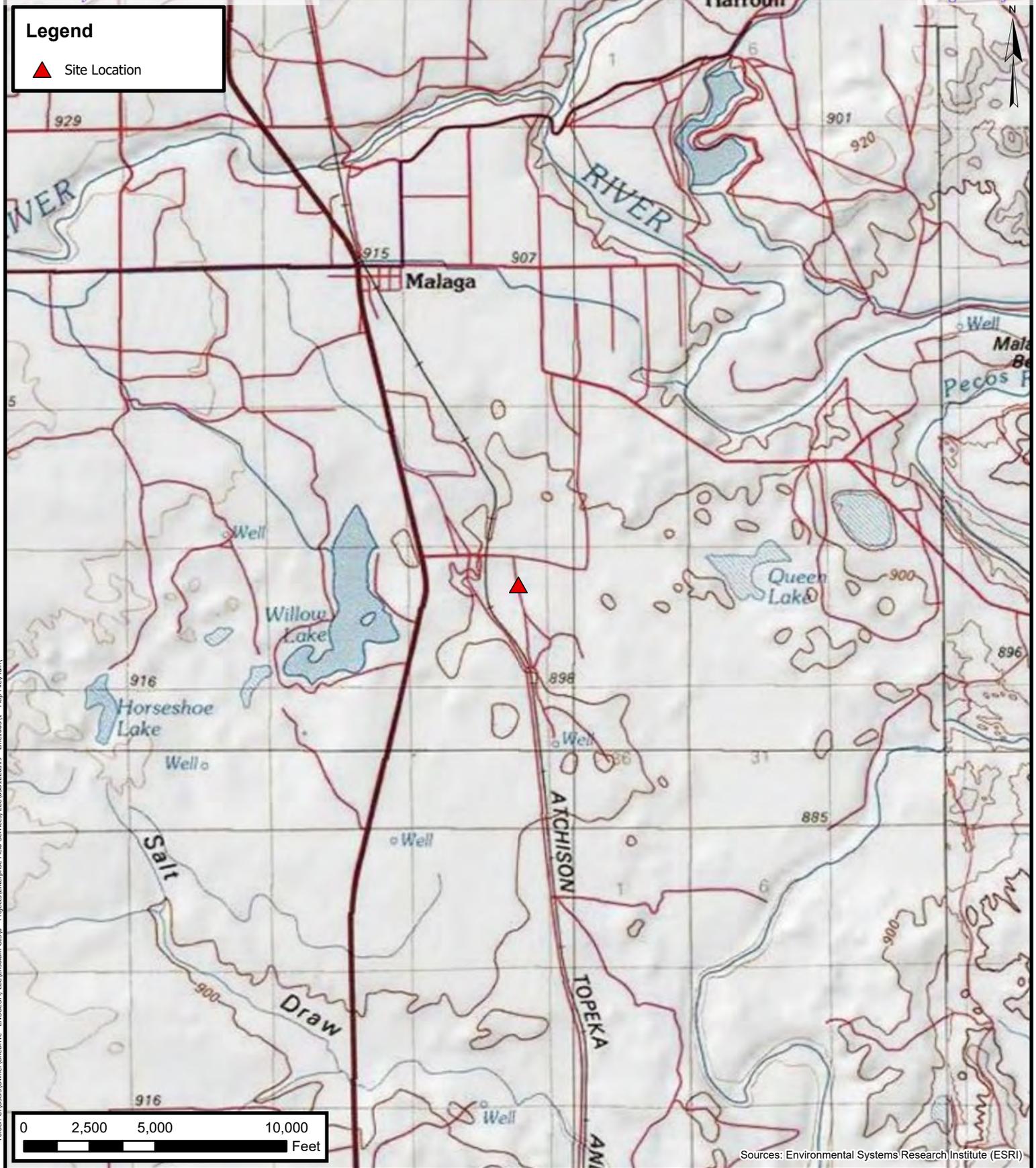
This report has been prepared for the exclusive use of Enterprise Field Services, LLC, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization Enterprise Field Services, LLC and 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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Folder: C:\Users\Owner\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\Enterprise Field Services, LLC\03B1226319 - Line1003\1 - Map File\Main

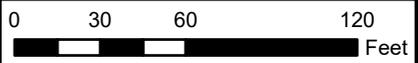
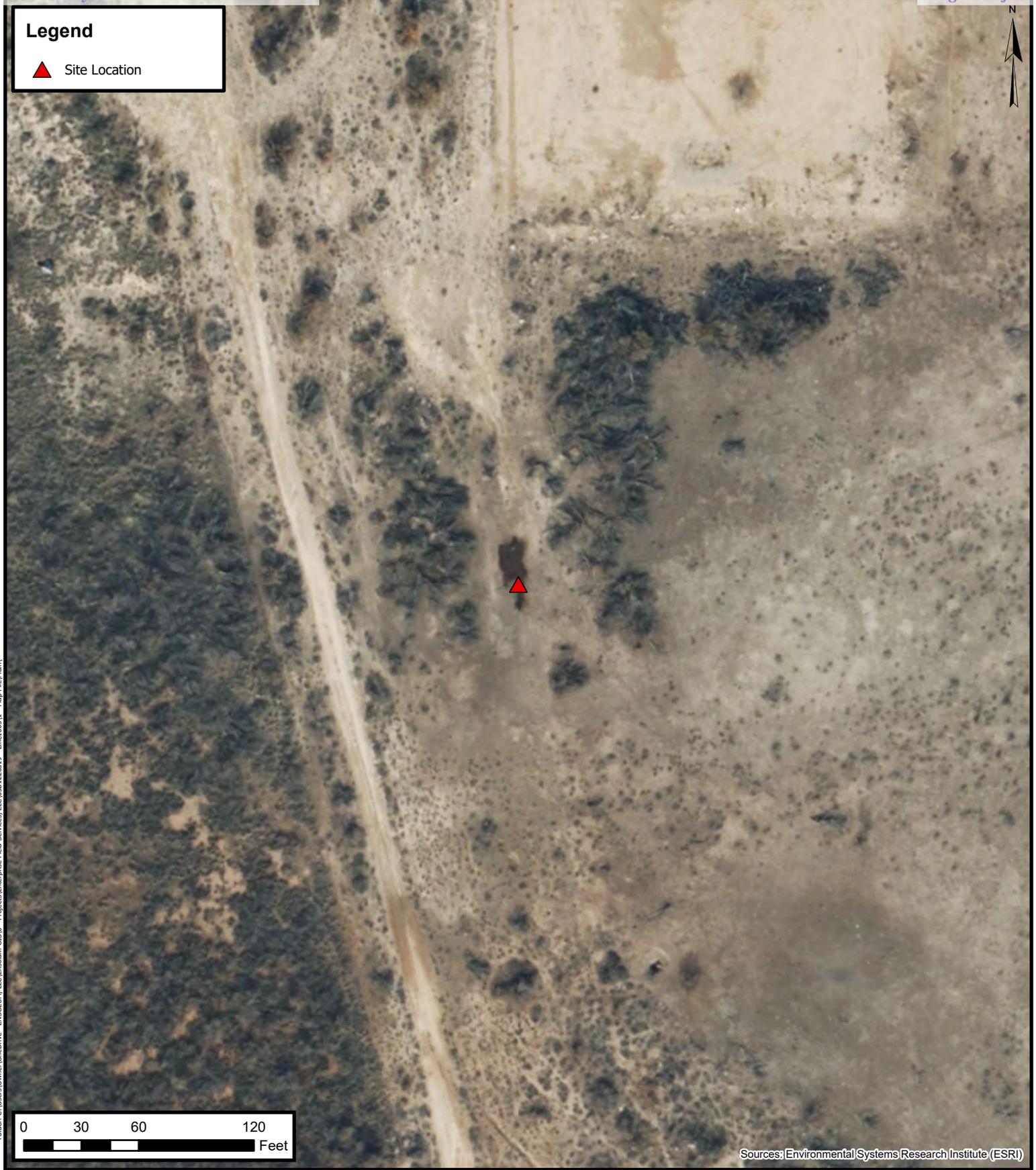


**Topographic Map**  
Enterprise Field Services, LLC.  
Line1003  
32.192149, -104.052583  
Eddy County, New Mexico  
Project Number: 03B1226319

**FIGURE**  
**1**

**Legend**

▲ Site Location



Sources: Environmental Systems Research Institute (ESRI)



**Site Vicinity Map**

Enterprise Field Services, LLC.

Line1003

32.192149, -104.052583

Eddy County, New Mexico

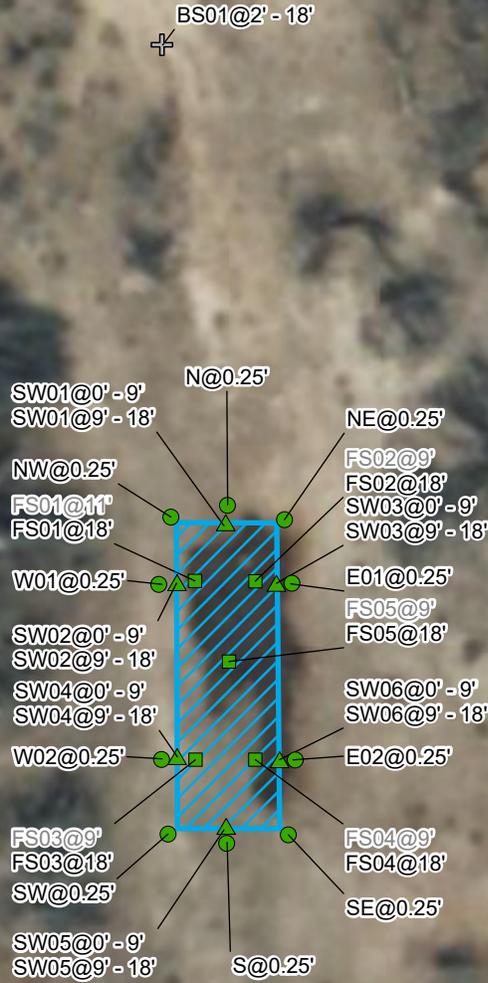
Project Number: 03B1226319

**FIGURE**

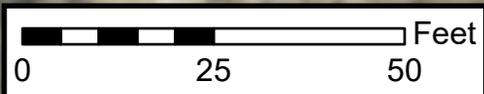
**2**

**Legend**

- Confirmation Floor Sample in Compliance with Closure Criteria
- ▲ Confirmation Sidewall Sample in Compliance with Closure Criteria
- Delineation Soil Sample in Compliance with Closure Criteria
- + Background Sample Location
- Excavation Extent



**Note:**  
 Sample ID @ Depth Below Ground Surface  
 Samples in Grey Indicate Additional Excavation and/or Re-Sample.



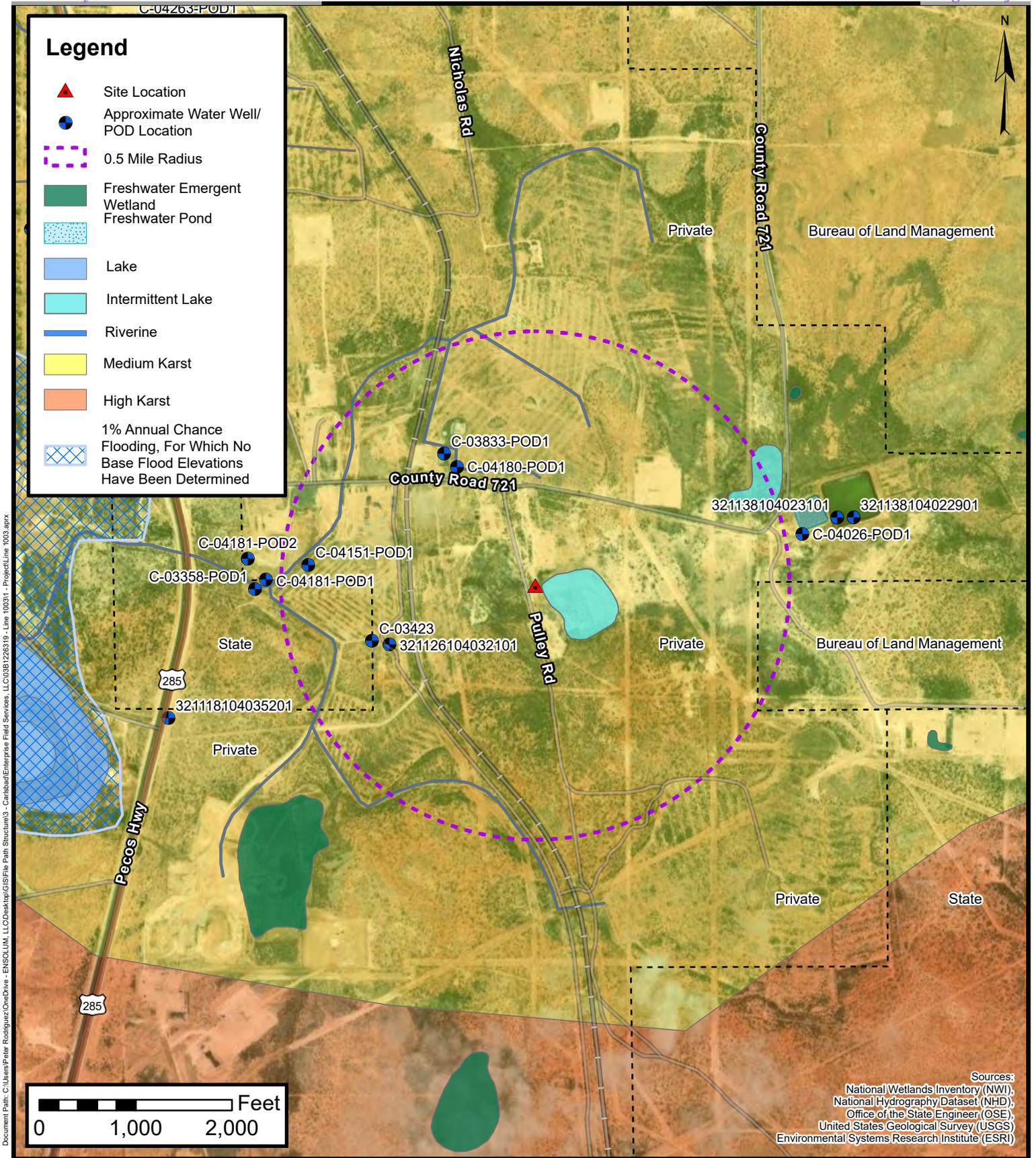
Source:  
 Environmental Systems Research Institute (ESRI)



### Site Map

ENTERPRISE FIELD SERVICES, LLC  
 LINE 1003  
 Eddy County, New Mexico  
 32.192149, -104.052583  
 Incident Number: nAPP2332441886  
 Project Number: 03B1226319

**FIGURE**  
**3**



Document Path: C:\Users\Peter.Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\GIS\Enterprise Field Services, LLC\03B1226319 - Line 10031 - Project\Line 1003.aprx



### Closure Criteria Map

ENTERPRISE FIELD SERVICES, LLC  
LINE 1003  
Eddy County, New Mexico  
32.192149, -104.052583  
Incident Number: nAPP2332441886  
Project Number: 03B1226319

FIGURE  
4



## APPENDIX B

### Supporting Documentation

---

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural  
Resources Department

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

|                |                |
|----------------|----------------|
| Incident ID    | NAPP2332441886 |
| District RP    |                |
| Facility ID    |                |
| Application ID |                |

## Release Notification

### Responsible Party

|  |   |
|--|---|
| Responsible Party: <b>Enterprise Field Services, LLC</b>             | OGRID: <b>241602</b>                                  |
| Contact Name: <b>Thomas Long</b>                                     | Contact Telephone: <b>505-599-2286</b>                |
| Contact email: <b>tjlong@eprod.com</b>                               | Incident # (assigned by OCD) #: <b>nAPP2332441886</b> |
| Contact mailing address: <b>614 Reilly Ave, Farmington, NM 87401</b> |   |

### Location of Release Source

Latitude **32.192149** Longitude **-104.052583** NAD 83 in decimal degrees to 5 decimal places)

|  |   |
|--|---|
| Site Name: <b>Pipeline 1003</b>            | Site Type <b>Natural Gas Gathering Pipeline</b> |
| Date Release Discovered: <b>11/20/2023</b> | Serial # (if applicable) <b>N/A</b>             |

| Unit Letter | Section   | Township   | Range      | County      |
|-------------|-----------|------------|------------|-------------|
| <b>H</b>    | <b>26</b> | <b>24S</b> | <b>28E</b> | <b>Eddy</b> |

Surface Owner: State  Federal  Tribal  Private (Name: **Scott Branson Land Division**)

### Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

|   |  |  |
|---|--|--|
| <input type="checkbox"/> Crude Oil                | Volume Released (bbls)   | Volume Recovered (bbls)                                  |
| <input type="checkbox"/> Produced Water           | Volume Released (bbls)   | Volume Recovered (bbls)                                  |
|   | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <input checked="" type="checkbox"/> Condensate    | Volume Released (bbls): <b>Estimated 5 barrels</b>                             | Volume Recovered (bbls): <b>None</b>                     |
| <input type="checkbox"/> Natural Gas              | Volume Released (Mcf): <b>1.31 MCF</b>   | Volume Recovered (Mcf):                                  |
| <input type="checkbox"/> Other (describe)<br>Fire | Volume/Weight Released (provide units)   | Volume/Weight Recovered (provide units)                  |

**Cause of Release:** On November 3, 2023, Enterprise had a release of natural gas and condensate from the 1003 pipeline. No washes were affected. No fires nor injuries occurred. The pipeline was isolated, depressurized, locked and tagged out. Minimal liquids were observed on the ground surface. Repairs and remediation began on October 20, 2023 at which time Enterprise determined the release reportable per NMOCD regulation due to the volume of impacted subsurface soil. A third party corrective action report will be submitted with the "Final C-141."

|             |                |
|-------------|----------------|
| Incident ID | NAPP2332441886 |
|             |                |
|             |                |
|             |                |

|   |  |
|---|--|
| Was this a major release as defined by 19.15.29.7(A) NMAC?<br><br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, for what reason(s) does the responsible party consider this a major release? |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?                          |  |

### Initial Response

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury*

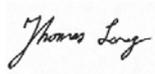
- The source of the release has been stopped.
- The impacted area has been secured to protect human health and the environment.
- Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Thomas J. Long Title: Senior Environmental Scientist

Signature:  Date: 11-29-2023

email: tjlong@eprod.com Telephone: 505-599-2286

**OCD Only**  
 Received by: Shelly Wells Date: 11/29/2023

## Gas Loss Calculations Pipeline 1003

**Release Parameters:**

**Pipeline Purging Calculation**

|                           |        |                |
|---------------------------|--------|----------------|
| Diameter of leak (inches) | 0.125  |                |
| Operating Pressure PSIA   | 600    |                |
| Duration of Leak ( Days)  | 0.0058 |                |
|                           | 1.305  | MCF (Gas Loss) |
| % Natural Gas             | 100    |                |
| Total Gas Loss            | 1.305  |                |

**Emission Factors:**

|              |       |   |
|--------------|-------|---|
| gm-Moles/scf | 1.263 |   |
| gm/lbs       | 454   | 5 |

**Components(Mol%)**

|                   |         |
|-------------------|---------|
| N2                | 0.3583  |
| CO2               | 0.885   |
| C1 (ethane)       | 8.58    |
| C2 (propane)      | 3.94    |
| C3 (methane)      | 83.19   |
| iC4 (Isobutane)   | 0.7251  |
| nC4 (butane)      | 1.07    |
| iC5 (iso-pentane) | 0.2895  |
| nC5 (n-pentane)   | 0.2895  |
| C6+ (heptane)     | 0.0766  |
| Avg MW(Total)     | 41.26   |
| Avg MW(VOC)       | 44.63   |
| BTU/SCF           | 2340.80 |

|                     |   |
|---------------------|---|
| <b>Gas<br/>Loss</b> | <b>Emissions to<br/>Atmosphere<br/><u>VOC (LBS)</u></b> |
| 1.305 MCF           | 138.73  |

**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 289356

**CONDITIONS**

|   |   |
|---|---|
| Operator:<br>Enterprise Field Services, LLC<br>PO Box 4324<br>Houston, TX 77210 | OGRID:<br>241602  |
|   | Action Number:<br>289356                                  |
|   | Action Type:<br>[C-141] Release Corrective Action (C-141) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|------------|-----------|----------------|
| scwells    | None      | 11/29/2023     |

**From:** [Dunaway, Robert](#)  
**To:** [Kelly Lowery](#)  
**Subject:** FW: Extension Request, nAPP2332441886  
**Date:** Thursday, February 8, 2024 2:43:07 PM  
**Attachments:** [image003.png](#)

---

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

For the final report. Line 1003.

**Robert Dunaway**  
Manager, Environmental  
3008 E Greene Street, Carlsbad, NM 88220  
Office: (575) 628-6830 | [rdunaway@eprod.com](mailto:rdunaway@eprod.com)



---

**From:** Hamlet, Robert, EMNRD <[Robert.Hamlet@emnrd.nm.gov](mailto:Robert.Hamlet@emnrd.nm.gov)>  
**Sent:** Thursday, February 8, 2024 1:36 PM  
**To:** Dunaway, Robert <[rdunaway@eprod.com](mailto:rdunaway@eprod.com)>  
**Cc:** Bratcher, Michael, EMNRD <[mike.bratcher@emnrd.nm.gov](mailto:mike.bratcher@emnrd.nm.gov)>; Wells, Shelly, EMNRD <[Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)>; Velez, Nelson, EMNRD <[Nelson.Velez@emnrd.nm.gov](mailto:Nelson.Velez@emnrd.nm.gov)>  
**Subject:** [EXTERNAL] Extension Request, nAPP2332441886

[Use caution with links/attachments]

RE: Incident #**NAPP2332441886**

**Robert,**

Your request for a 90-day extension to **May 8th, 2024**, is approved. Please include this e-mail correspondence in the remediation and/or closure report.

**Robert Hamlet** • Environmental Specialist - Advanced  
Environmental Bureau  
EMNRD - Oil Conservation Division  
506 W. Texas Ave. | Artesia, NM 88210  
575.909.0302 | [robert.hamlet@state.nm.us](mailto:robert.hamlet@state.nm.us)  
<http://www.emnrd.state.nm.us/OCD/>



---

**From:** Wells, Shelly, EMNRD <[Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)>

**Sent:** Thursday, February 8, 2024 11:39 AM  
**To:** Hamlet, Robert, EMNRD <[Robert.Hamlet@emnrd.nm.gov](mailto:Robert.Hamlet@emnrd.nm.gov)>  
**Cc:** Bratcher, Michael, EMNRD <[mike.bratcher@emnrd.nm.gov](mailto:mike.bratcher@emnrd.nm.gov)>  
**Subject:** FW: [EXTERNAL] Extension Request, nAPP2332441886

---

**From:** Dunaway, Robert <[rhunaway@eprod.com](mailto:rhunaway@eprod.com)>  
**Sent:** Thursday, February 8, 2024 9:57 AM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>  
**Subject:** [EXTERNAL] Extension Request, nAPP2332441886

**CAUTION:** This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good morning.

Enterprise would like to request an extension to 05/18/2024 for nAPP2332441886 (Line 1003).

Remediation is in process on the pipeline release. Due to a large scale remediation project for South Carlsbad Compressor Station, Enterprise has been unable to complete the project. There are still some exceedances that require further remediation that Enterprise needs additional time to address.

**Robert Dunaway**  
Manager, Environmental  
3008 E Greene Street, Carlsbad, NM 88220  
Office: (575) 628-6830 | [rhunaway@eprod.com](mailto:rhunaway@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.

## Kelly Lowery

---

**From:** Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>  
**Sent:** Friday, December 1, 2023 11:10 AM  
**To:** Long, Thomas; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD  
**Cc:** Velez, Nelson, EMNRD; Stone, Brian; Kelly Lowery  
**Subject:** RE: [EXTERNAL] Pipeline 1003 - UL H Section 26 T24S R28E; 36.192149, -104.052583; NMOCD Incident # nAPP2332441886

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

Hi Thomas,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

*Shelly*

Shelly Wells \* Environmental Specialist-Advanced  
Environmental Bureau  
EMNRD-Oil Conservation Division  
1220 S. St. Francis Drive | Santa Fe, NM 87505  
(505)469-7520 | [Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>

---

**From:** Long, Thomas <tjlong@eprod.com>  
**Sent:** Thursday, November 30, 2023 1:58 PM  
**To:** Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>  
**Cc:** Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Stone, Brian <bmstone@eprod.com>; Kelly Lowery <klowery@ensolum.com>  
**Subject:** [EXTERNAL] Pipeline 1003 - UL H Section 26 T24S R28E; 36.192149, -104.052583; NMOCD Incident # nAPP2332441886

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

All,

This email is a notification that Enterprise will be collecting closure samples at the Pipeline 1003 release site on Tuesday, December 5, 2023 at 2:00 p.m. Please call or email if you have questions.

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](mailto:tjlong@eprod.com)



---

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## Kelly Lowery

---

**From:** Dunaway, Robert <rhodunaway@eprod.com>  
**Sent:** Thursday, March 14, 2024 9:01 AM  
**To:** Kelly Lowery  
**Subject:** FW: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 322837

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

Robert Dunaway  
Manager, Environmental  
3008 E Greene Street, Carlsbad, NM 88220  
Office: (575) 628-6830 | Cell: (575) 307 9378  
[rhodunaway@eprod.com](mailto:rhodunaway@eprod.com)



---

**From:** OCDOnline@state.nm.us <OCDOnline@state.nm.us>  
**Sent:** Wednesday, March 13, 2024 8:31 AM  
**To:** Dunaway, Robert <rhodunaway@eprod.com>  
**Subject:** [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 322837

[Use caution with links/attachments]

To whom it may concern (c/o Robert Dunaway for Enterprise Field Services, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2332441886.

The sampling event is expected to take place:

**When:** 03/20/2024 @ 09:00  
**Where:** H-26-24S-28E 0 FNL 0 FEL (32.192149,-104.052583)

**Additional Information:** Kelly Lowery  
[klowery@ensolum.com](mailto:klowery@ensolum.com)  
(214) 733-3165

**Additional Instructions:** 32.192149 -104.052583

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

**New Mexico Energy, Minerals and Natural Resources Department**

1220 South St. Francis Drive

Santa Fe, NM 87505

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**Kelly Lowery**

---

**From:** Dunaway, Robert <rhodunaway@eprod.com>  
**Sent:** Tuesday, March 19, 2024 3:01 PM  
**To:** Kelly Lowery  
**Subject:** FW: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 324756

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

Robert Dunaway  
Manager, Environmental  
3008 E Greene Street, Carlsbad, NM 88220  
Office: (575) 628-6830 | Cell (575) 307-9378  
rhodunaway@eprod.com



---

**From:** OCDOOnline@state.nm.us <OCDOOnline@state.nm.us>  
**Sent:** Tuesday, March 19, 2024 3:00 PM  
**To:** Dunaway, Robert <rhodunaway@eprod.com>  
**Subject:** [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 324756

[Use caution with links/attachments]

To whom it may concern (c/o Robert Dunaway for Enterprise Field Services, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2332441886.

The sampling event is expected to take place:

**When:** 03/21/2024 @ 14:00  
**Where:** H-26-24S-28E 0 FNL 0 FEL (32.192149,-104.052583)

**Additional Information:** Kelly Lowery  
[klowery@ensolum.com](mailto:klowery@ensolum.com)  
214-733-3165

**Additional Instructions:** 32.192149 -104.052583

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

**New Mexico Energy, Minerals and Natural Resources Department**  
1220 South St. Francis Drive  
Santa Fe, NM 87505

---

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## Kelly Lowery

---

**From:** Dunaway, Robert <rhodunaway@eprod.com>  
**Sent:** Tuesday, April 9, 2024 2:11 PM  
**To:** Kelly Lowery  
**Subject:** FW: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 331437

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

### Robert Dunaway

Manager, Environmental  
3008 E Greene Street, Carlsbad, NM 88220  
Office: (575) 628-6830 | Cell (575) 307-9378  
rhodunaway@eprod.com



---

**From:** OCDOOnline@state.nm.us <OCDOOnline@state.nm.us>  
**Sent:** Tuesday, April 9, 2024 2:07 PM  
**To:** Dunaway, Robert <rhodunaway@eprod.com>  
**Subject:** [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 331437

[Use caution with links/attachments]

To whom it may concern (c/o Robert Dunaway for Enterprise Field Services, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2332441886.

The sampling event is expected to take place:

**When:** 04/16/2024 @ 07:00

**Where:** H-26-24S-28E 0 FNL 0 FEL (32.192149,-104.052583)

**Additional Information:** Kelly Lowery

[klowery@ensolum.com](mailto:klowery@ensolum.com)

214-733-3165

**Additional Instructions:** 32.192149 -104.052583

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

**New Mexico Energy, Minerals and Natural Resources Department**  
1220 South St. Francis Drive  
Santa Fe, NM 87505

---

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| agency_cd | site_no  | station_nn | dec_lat_va | dec_long_v | dec_coord | state_cd | county_cd | Altitude_ft | alt_datum |
|-----------|----------|------------|------------|------------|-----------|----------|-----------|-------------|-----------|
| USGS      | 3.21E+14 | 24S.28E.2E | 32.1905    | -104.058   | NAD83     | 35       | 15        | 2944.9      | NGVD29    |

| well_dept | gw_count | lev_dt | lev_va |
|-----------|----------|--------|--------|
| 126       | 8        | #####  | 22.33  |



# New Mexico Office of the State Engineer

## Point of Diversion Summary

|                 |                   |                                    |            |           |            |            |            |                       |          |
|-----------------|-------------------|------------------------------------|------------|-----------|------------|------------|------------|-----------------------|----------|
|                 |                   | (quarters are 1=NW 2=NE 3=SW 4=SE) |            |           |            |            |            | (NAD83 UTM in meters) |          |
| <b>Well Tag</b> | <b>POD Number</b> | <b>Q64</b>                         | <b>Q16</b> | <b>Q4</b> | <b>Sec</b> | <b>Tws</b> | <b>Rng</b> | <b>X</b>              | <b>Y</b> |
| NA              | C 04180 POD1      | 2                                  | 1          | 2         | 26         | 24S        | 28E        | 589055                | 3562502  |

|                          |                   |                             |                            |                         |         |
|--------------------------|-------------------|-----------------------------|----------------------------|-------------------------|---------|
| <b>Driller License:</b>  | 1706              | <b>Driller Company:</b>     | ELITE DRILLERS CORPORATION |                         |         |
| <b>Driller Name:</b>     | WALLACE, BRYCE J. |                             |                            |                         |         |
| <b>Drill Start Date:</b> | 01/08/2018        | <b>Drill Finish Date:</b>   | 01/10/2018                 | <b>Plug Date:</b>       |         |
| <b>Log File Date:</b>    | 01/31/2018        | <b>PCW Rev Date:</b>        |                            | <b>Source:</b>          | Shallow |
| <b>Pump Type:</b>        |                   | <b>Pipe Discharge Size:</b> |                            | <b>Estimated Yield:</b> | 100 GPM |
| <b>Casing Size:</b>      | 9.00              | <b>Depth Well:</b>          | 160 feet                   | <b>Depth Water:</b>     | 58 feet |

| Water Bearing Stratifications: | Top | Bottom | Description              |
|--------------------------------|-----|--------|--------------------------|
|                                | 20  | 100    | Limestone/Dolomite/Chalk |
|                                | 100 | 160    | Limestone/Dolomite/Chalk |

| Casing Perforations: | Top | Bottom |
|----------------------|-----|--------|
|                      | 40  | 160    |

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

11/8/23 9:38 AM

POINT OF DIVERSION SUMMARY



## APPENDIX C

### Photographic Documentation

---



View of the initial release and excavation area, facing southwest (November 14, 2023).



View of the excavation during remediation and sampling activities, facing north (December 11, 2023).



View background sample location BS01, facing east (March 21, 2024).



View background sample location BS02, facing southeast (March 21, 2024).



View of the final excavation area, facing west (April 16, 2024).



View of the final excavation area, facing east (April 16, 2024).



View of the final excavation area, facing south (April 16, 2024).



View of the final excavation area, facing north (April 16, 2024).

Date & Time: Fri. May 03, 2024 at 09:29:32 MDT  
Position: 032.1922639°N / 104.0525649°W (±6m)



View of the backfilled former excavation extent, facing southwest (May 3, 2024).



## APPENDIX D

Table

---

**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**

Line 1003  
Enterprise Field Services, LLC  
Eddy County, New Mexico  
Ensolum Project No. 03B1226319

| Sample Designation  | Date       | Depth (feet bgs) | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Total Xylenes (mg/kg) | Total BTEX (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH MRO (mg/kg) | Total TPH (GRO+DRO+MRO) (mg/kg) | Chloride (mg/kg) |
|---|------------|------------------|-----------------|-----------------|----------------------|-----------------------|--------------------|-----------------|-----------------|-----------------|---------------------------------|------------------|
| New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)                       |            |                  | 10              | NE              | NE                   | NE                    | 50                 | NE              | NE              | NE              | 100                             | 600              |
| Background Site Specific Chloride Concentration based on New Mexico Administrative Code 19.15.29.11 (A) (5) (c) and (d) |            |                  | NA              |                 |                      |                       | NA                 |                 |                 |                 | 2,270                           |                  |
| <b>Composite Excavation Floor Soil Sample Analytical Results</b>  |            |                  |                 |                 |                      |                       |                    |                 |                 |                 |                                 |                  |
| FS01  | 12/11/2023 | 11               | <0.020          | <0.039          | <0.039               | <0.079                | <0.079             | <3.9            | 220             | 92              | 312                             | 1,700            |
|   | 03/20/2024 | 18               | NS              |                 |                      |                       |                    | <10.0           | <10.0           | <10.0           | <10.0                           | 1,020            |
| FS02  | 12/11/2023 | 9                | <0.099          | <0.20           | <0.20                | <0.40                 | <0.40              | <20             | <9.0            | <45             | <45                             | 1,500            |
|   | 03/20/2024 | 18               | NS              |                 |                      |                       |                    | NS              |                 |                 |                                 | 704              |
| FS03  | 12/11/2023 | 9                | <0.019          | <0.038          | <0.038               | <0.077                | <0.077             | <3.8            | 47              | 60              | 107                             | 260              |
|   | 03/20/2024 | 18               | NS              |                 |                      |                       |                    | <10.0           | <10.0           | <10.0           | <10.0                           | NS               |
| FS04  | 12/11/2023 | 9                | <0.025          | <0.050          | <0.050               | <0.099                | <0.099             | <5.0            | 48              | <46             | 48                              | 640              |
|   | 03/20/2024 | 18               | NS              |                 |                      |                       |                    | NS              |                 |                 |                                 | 640              |
| FS05  | 12/11/2023 | 9                | 0.24            | 2.9             | 0.85                 | 6.0                   | 9.99               | 210             | 13,000          | 5,800           | 19,010                          | 2,000            |
|   | 03/20/2024 | 18               | NS              |                 |                      |                       |                    | <10.0           | <10.0           | <10.0           | <10.0                           | 928              |
| <b>Composite Excavation Sidewall Soil Sample Analytical Results</b>   |            |                  |                 |                 |                      |                       |                    |                 |                 |                 |                                 |                  |
| SW01  | 12/11/2023 | 0 - 9            | <0.026          | <0.052          | <0.052               | <0.10                 | <0.10              | <5.2            | <9.5            | <48             | <48                             | 920              |
|   | 03/20/2024 | 0 - 9            | NS              |                 |                      |                       |                    | NS              |                 |                 |                                 | 512              |
|   | 03/20/2024 | 9 - 18           | <0.050          | <0.050          | <0.050               | <0.150                | <0.300             | <10.0           | 134             | 25.3            | 159                             | 1,280            |
|   | 04/16/2024 | 9 - 18           | NS              |                 |                      |                       |                    | <10.0           | <10.0           | <10.0           | <10.0                           | NS               |
| SW02  | 12/11/2023 | 0 - 9            | <0.085          | 3.8             | 3.6                  | 35                    | 42.4               | 450             | 8,900           | 3,600           | 12,542                          | 1,600            |
|   | 03/20/2024 | 0 - 9            | NS              |                 |                      |                       |                    | 914             | 4,790           | 866             | 6,570                           | 656              |
|   | 04/16/2024 | 0 - 9            | NS              |                 |                      |                       |                    | 1,010           | 8,130           | 1,460           | 10,600                          | NS               |
|   | 04/24/2024 | 0 - 9            | NS              |                 |                      |                       |                    | <10.0           | <10.0           | <10.0           | <10.0                           | NS               |
|   | 03/20/2024 | 9 - 18           | <0.050          | <0.050          | <0.050               | <0.150                | <0.300             | <10.0           | <10.0           | 12.0            | 12.0                            | 1,490            |
| SW03  | 12/11/2023 | 0 - 9            | <0.025          | <0.049          | <0.049               | <0.098                | <0.098             | <4.9            | <10             | <50             | <50                             | 1,300            |
|   | 03/20/2024 | 0 - 9            | NS              |                 |                      |                       |                    | NS              |                 |                 |                                 | 2,160            |
|   | 03/20/2024 | 9 - 18           | <0.050          | <0.050          | <0.050               | <0.150                | <0.300             | <10.0           | <10.0           | <10.0           | <10.0                           | 800              |
| SW04  | 12/11/2023 | 0 - 9            | <0.019          | <0.038          | <0.038               | <0.076                | <0.076             | <3.8            | <8.4            | <42             | <42                             | 430              |
|   | 03/20/2024 | 9 - 18           | <0.050          | <0.050          | <0.050               | <0.150                | <0.300             | <10.0           | <10.0           | <10.0           | <10.0                           | 944              |
| SW05  | 12/11/2023 | 0 - 9            | <0.019          | <0.039          | <0.039               | <0.078                | <0.078             | <3.9            | 37              | <43             | <43                             | 100              |
|   | 03/20/2024 | 9 - 18           | <0.050          | <0.050          | <0.050               | <0.150                | <0.300             | <10.0           | <10.0           | <10.0           | <10.0                           | 480              |
| SW06  | 12/11/2023 | 0 - 9            | <0.020          | <0.040          | <0.040               | <0.079                | <0.079             | <4.0            | 58              | 60              | 118                             | 170              |
|   | 03/20/2024 | 0 - 9            | NS              |                 |                      |                       |                    | <10.0           | 56.8            | 10.3            | 67.1                            | NS               |
|   | 03/20/2024 | 9 - 18           | <0.050          | <0.050          | <0.050               | <0.150                | <0.300             | <10.0           | <10.0           | <10.0           | <10.0                           | 608              |

**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Line 1003  
 Enterprise Field Services, LLC  
 Eddy County, New Mexico  
 Ensolum Project No. 03B1226319

| Sample Designation  | Date       | Depth (feet bgs) | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Total Xylenes (mg/kg) | Total BTEX (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH MRO (mg/kg) | Total TPH (GRO+DRO+MRO) (mg/kg) | Chloride (mg/kg) |       |
|---|------------|------------------|-----------------|-----------------|----------------------|-----------------------|--------------------|-----------------|-----------------|-----------------|---------------------------------|------------------|-------|
| New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)                       |            |                  | 10              | NE              | NE                   | NE                    | 50                 | NE              | NE              | NE              | 100                             | 600              |       |
| Background Site Specific Chloride Concentration based on New Mexico Administrative Code 19.15.29.11 (A) (5) (c) and (d) |            |                  | NA              |                 |                      |                       |                    | NA              |                 |                 |                                 |                  | 2,270 |
| <b>Delineation Soil Sample Analytical Results</b>   |            |                  |                 |                 |                      |                       |                    |                 |                 |                 |                                 |                  |       |
| NW  | 12/11/2023 | 0.25             | <0.029          | <0.059          | <0.059               | <0.12                 | <0.12              | <5.9            | <9.7            | <48             | <48                             | <60              |       |
|   | 03/20/2024 | 0.25             | <0.050          | <0.050          | <0.050               | <0.150                | <0.300             | <10.0           | <10.0           | <10.0           | <10.0                           | 7,060            |       |
|   | 04/16/2024 | 0.25             | NS              |                 |                      |                       |                    | NS              |                 |                 |                                 |                  | 160   |
| NE  | 12/11/2023 | 0.25             | <0.027          | <0.054          | <0.054               | <0.11                 | <0.11              | <5.4            | 34              | 75              | 109                             | <60              |       |
|   | 03/20/2024 | 0.25             | NS              |                 |                      |                       |                    | <10.0           | <10.0           | <10.0           | <10.0                           | NS               |       |
| SW  | 12/11/2023 | 0.25             | <0.026          | <0.053          | <0.053               | <0.11                 | <0.11              | <5.3            | 11              | <50             | <50                             | <60              |       |
| SE  | 12/11/2023 | 0.25             | <0.023          | <0.046          | <0.046               | <0.091                | <0.091             | <4.6            | 10              | <45             | <45                             | <60              |       |
| S/S-01  | 04/16/2024 | 0.25             | <0.050          | <0.050          | <0.050               | <0.150                | <0.300             | <10.0           | 554             | 351             | 905                             | 240              |       |
|   | 04/24/2024 | 0.25             | NS              |                 |                      |                       |                    | <10.0           | <10.0           | <10.0           | <10.0                           | NS               |       |
| E 01  | 04/16/2024 | 0.25             | <0.050          | <0.050          | <0.050               | <0.150                | <0.300             | <10.0           | 172             | 75.2            | 247                             | 144              |       |
|   | 04/24/2024 | 0.25             | NS              |                 |                      |                       |                    | <10.0           | <10.0           | <10.0           | <10.0                           | NS               |       |
| E 02  | 04/16/2024 | 0.25             | <0.050          | <0.050          | <0.050               | <0.150                | <0.300             | <10.0           | 1,090           | 276             | 1,366                           | 336              |       |
|   | 04/24/2024 | 0.25             | NS              |                 |                      |                       |                    | <10.0           | <10.0           | <10.0           | <10.0                           | NS               |       |
| N/N-01  | 04/16/2024 | 0.25             | <0.050          | <0.050          | <0.050               | <0.150                | <0.300             | <10.0           | 292             | 112             | 404                             | 96.0             |       |
|   | 04/24/2024 | 0.25             | NS              |                 |                      |                       |                    | <10.0           | <10.0           | <10.0           | <10.0                           | NS               |       |
| W 01  | 04/16/2024 | 0.25             | <0.050          | <0.050          | <0.050               | <0.150                | <0.300             | <10.0           | 4,870           | 1,120           | 5,990                           | 704              |       |
|   | 04/24/2024 | 0.25             | NS              |                 |                      |                       |                    | <10.0           | <10.0           | <10.0           | <10.0                           | NS               |       |
| W 02  | 04/16/2024 | 0.25             | <0.050          | <0.050          | <0.050               | 0.363                 | 0.363              | 65.8            | 6,170           | 1,310           | 7,546                           | 336              |       |
|   | 04/24/2024 | 0.25             | NS              |                 |                      |                       |                    | <10.0           | <10.0           | <10.0           | <10.0                           | NS               |       |
| <b>Composite Stockpile Soil Sample Analytical Results</b>   |            |                  |                 |                 |                      |                       |                    |                 |                 |                 |                                 |                  |       |
| W-STK   | 12/11/2023 | NA               | <0.025          | <0.050          | <0.050               | <0.10                 | <0.10              | <5.0            | 140             | 120             | 260                             | 170              |       |
| E-STK   | 12/11/2023 | NA               | <0.019          | <0.037          | <0.037               | <0.075                | <0.075             | <3.7            | 500             | 380             | 880                             | 640              |       |
| STOCKPILE 1   | 03/20/2024 | NA               | <0.050          | <0.050          | 0.050                | 0.550                 | 0.600              | <10.0           | 47.4            | <10.0           | 47.4                            | 752              |       |
| STOCKPILE 2   | 03/20/2024 | NA               | <0.050          | <0.050          | <0.050               | <0.150                | <0.300             | <10.0           | 314             | 85.4            | 399                             | 592              |       |

Concentrations in **bold** and yellow exceed the New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)

Additional Excavation and/or Re-Sample

bgs - below ground surface

mg/kg - milligrams per kilogram

NA - Not Applicable

NE - Not Established

NS - Not Sampled

BTEX - Benzene, Toluene, Ethylbenzene, and Xylenes

GRO - Gasoline Range Organics

DRO - Diesel Range Organics

MRO - Motor Oil/Lube Oil Range Organics

TPH - Total Petroleum Hydrocarbon

**TABLE 2  
BACKGROUND SOIL SAMPLE ANALYTICAL RESULTS**

Line 1003  
Enterprise Field Services, LLC  
Eddy County, New Mexico  
Ensolum Project No. 03B1226319

| Sample Designation  | Date       | Depth (feet bgs) | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Total Xylenes (mg/kg) | Total BTEX (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH MRO (mg/kg) | Total TPH (GRO+DRO+MRO) (mg/kg) | Chloride (mg/kg) |       |
|---|------------|------------------|-----------------|-----------------|----------------------|-----------------------|--------------------|-----------------|-----------------|-----------------|---------------------------------|------------------|-------|
| New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)                       |            |                  | 10              | NE              | NE                   | NE                    | 50                 | NE              | NE              | NE              | 100                             | 600              |       |
| Background Site Specific Chloride Concentration based on New Mexico Administrative Code 19.15.29.11 (A) (5) (c) and (d) |            |                  | NA              |                 |                      |                       |                    | NA              |                 |                 |                                 |                  | 2,270 |
| <b>Background Soil Sample Analytical Results</b>  |            |                  |                 |                 |                      |                       |                    |                 |                 |                 |                                 |                  |       |
| BS01  | 03/21/2024 | 2                |                 |                 | NS                   |                       |                    |                 |                 | NS              |                                 | 32.0             |       |
|   |            | 4                |                 |                 | NS                   |                       |                    |                 |                 | NS              |                                 | 48.0             |       |
|   |            | 6                |                 |                 | NS                   |                       |                    |                 |                 | NS              |                                 | 160              |       |
|   |            | 8                |                 |                 | NS                   |                       |                    |                 |                 | NS              |                                 | 816              |       |
|   |            | 10               |                 |                 | NS                   |                       |                    |                 |                 | NS              |                                 | 1,060            |       |
|   |            | 12               |                 |                 | NS                   |                       |                    |                 |                 | NS              |                                 | 1,490            |       |
|   |            | 14               |                 |                 | NS                   |                       |                    |                 |                 | NS              |                                 | 2,080            |       |
|   |            | 16               |                 |                 | NS                   |                       |                    |                 |                 | NS              |                                 | 1,360            |       |
| BS02  | 03/21/2024 | 18               |                 |                 | NS                   |                       |                    |                 |                 | NS              |                                 | 1,470            |       |
|   |            | 2                |                 |                 | NS                   |                       |                    |                 |                 | NS              |                                 | 112              |       |
|   |            | 4                |                 |                 | NS                   |                       |                    |                 |                 | NS              |                                 | 1,010            |       |
|   |            | 6                |                 |                 | NS                   |                       |                    |                 |                 | NS              |                                 | 944              |       |
|   |            | 8                |                 |                 | NS                   |                       |                    |                 |                 | NS              |                                 | 1,220            |       |
|   |            | 10               |                 |                 | NS                   |                       |                    |                 |                 | NS              |                                 | 1,730            |       |
|   |            | 12               |                 |                 | NS                   |                       |                    |                 |                 | NS              |                                 | 2,270            |       |
|   |            | 14               |                 |                 | NS                   |                       |                    |                 |                 | NS              |                                 | 1,650            |       |
| BS02  | 03/21/2024 | 16               |                 |                 | NS                   |                       |                    |                 |                 | NS              |                                 | 672              |       |
|   |            | 18               |                 |                 | NS                   |                       |                    |                 |                 | NS              |                                 | 1,280            |       |

bgs - below ground surface  
mg/kg - milligrams per kilogram  
NA - Not Applicable  
NE - Not Established  
NS - Not Sampled  
BTEX - Benzene, Toluene, Ethylbenzene, and Xylenes  
GRO - Gasoline Range Organics  
DRO - Diesel Range Organics  
MRO - Motor Oil/Lube Oil Range Organics  
TPH - Total Petroleum Hydrocarbon



## APPENDIX E

### Laboratory Analytical Reports & Chain-of-Custody Documentation

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

December 28, 2023

Kelly Lowery  
Ensolum LLC  
601 Marrenfield #400  
Midland, TX 79701  
TEL: (214) 733-3165  
FAX:

RE: Line 1003

OrderNo.: 2312727

Dear Kelly Lowery:

Eurofins Environment Testing South Central, LLC received 11 sample(s) on 12/13/2023 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](http://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,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

**Analytical Report**

Lab Order **2312727**

Date Reported: **12/28/2023**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Ensolum LLC

**Client Sample ID:** FS01

**Project:** Line 1003

**Collection Date:** 12/11/2023 1:58:00 PM

**Lab ID:** 2312727-001

**Matrix:** MEOH (SOIL)

**Received Date:** 12/13/2023 7:50:00 AM

| Analyses   | Result | RL       | Qual | Units | DF | Date Analyzed         |
|--|--------|----------|------|-------|----|-----------------------|
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    | Analyst: <b>DGH</b>   |
| Diesel Range Organics (DRO)                      | 220    | 8.8      |      | mg/Kg | 1  | 12/13/2023 1:00:43 PM |
| Motor Oil Range Organics (MRO)                   | 92     | 44       |      | mg/Kg | 1  | 12/13/2023 1:00:43 PM |
| Surr: DNOP                                       | 85.9   | 69-147   |      | %Rec  | 1  | 12/13/2023 1:00:43 PM |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |    | Analyst: <b>JJP</b>   |
| Gasoline Range Organics (GRO)                    | ND     | 3.9      |      | mg/Kg | 1  | 12/13/2023 5:39:48 PM |
| Surr: BFB  | 116    | 15-244   |      | %Rec  | 1  | 12/13/2023 5:39:48 PM |
| <b>EPA METHOD 8021B: VOLATILES</b>               |        |          |      |       |    | Analyst: <b>JJP</b>   |
| Benzene  | ND     | 0.020    |      | mg/Kg | 1  | 12/13/2023 5:39:48 PM |
| Toluene  | ND     | 0.039    |      | mg/Kg | 1  | 12/13/2023 5:39:48 PM |
| Ethylbenzene                                     | ND     | 0.039    |      | mg/Kg | 1  | 12/13/2023 5:39:48 PM |
| Xylenes, Total                                   | ND     | 0.079    |      | mg/Kg | 1  | 12/13/2023 5:39:48 PM |
| Surr: 4-Bromofluorobenzene                       | 101    | 39.1-146 |      | %Rec  | 1  | 12/13/2023 5:39:48 PM |
| <b>EPA METHOD 300.0: ANIONS</b>                  |        |          |      |       |    | Analyst: <b>SNS</b>   |
| Chloride   | 1700   | 60       |      | mg/Kg | 20 | 12/13/2023 5:00:18 PM |

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

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

Analytical Report

Lab Order 2312727

Date Reported: 12/28/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Ensolum LLC

Client Sample ID: FS02

Project: Line 1003

Collection Date: 12/11/2023 11:30:00 AM

Lab ID: 2312727-002

Matrix: MEOH (SOIL)

Received Date: 12/13/2023 7:50:00 AM

| Analyses   | Result | RL       | Qual | Units | DF | Date Analyzed         |
|--|--------|----------|------|-------|----|-----------------------|
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    | Analyst: <b>DGH</b>   |
| Diesel Range Organics (DRO)                      | ND     | 9.0      |      | mg/Kg | 1  | 12/13/2023 1:11:10 PM |
| Motor Oil Range Organics (MRO)                   | ND     | 45       |      | mg/Kg | 1  | 12/13/2023 1:11:10 PM |
| Surr: DNOP                                       | 86.0   | 69-147   |      | %Rec  | 1  | 12/13/2023 1:11:10 PM |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |    | Analyst: <b>JJP</b>   |
| Gasoline Range Organics (GRO)                    | ND     | 20       |      | mg/Kg | 5  | 12/13/2023 6:03:33 PM |
| Surr: BFB  | 101    | 15-244   |      | %Rec  | 5  | 12/13/2023 6:03:33 PM |
| <b>EPA METHOD 8021B: VOLATILES</b>               |        |          |      |       |    | Analyst: <b>JJP</b>   |
| Benzene  | ND     | 0.099    |      | mg/Kg | 5  | 12/13/2023 6:03:33 PM |
| Toluene  | ND     | 0.20     |      | mg/Kg | 5  | 12/13/2023 6:03:33 PM |
| Ethylbenzene                                     | ND     | 0.20     |      | mg/Kg | 5  | 12/13/2023 6:03:33 PM |
| Xylenes, Total                                   | ND     | 0.40     |      | mg/Kg | 5  | 12/13/2023 6:03:33 PM |
| Surr: 4-Bromofluorobenzene                       | 102    | 39.1-146 |      | %Rec  | 5  | 12/13/2023 6:03:33 PM |
| <b>EPA METHOD 300.0: ANIONS</b>                  |        |          |      |       |    | Analyst: <b>SNS</b>   |
| Chloride   | 1500   | 60       |      | mg/Kg | 20 | 12/13/2023 5:15:27 PM |

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

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

Analytical Report

Lab Order 2312727

Date Reported: 12/28/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Ensolum LLC

Client Sample ID: FS03

Project: Line 1003

Collection Date: 12/11/2023 11:43:00 AM

Lab ID: 2312727-003

Matrix: MEOH (SOIL) Received Date: 12/13/2023 7:50:00 AM

| Analyses   | Result | RL       | Qual | Units | DF | Date Analyzed         |
|--|--------|----------|------|-------|----|-----------------------|
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    | Analyst: PRD          |
| Diesel Range Organics (DRO)                      | 47     | 9.2      |      | mg/Kg | 1  | 12/15/2023 9:48:01 AM |
| Motor Oil Range Organics (MRO)                   | 60     | 46       |      | mg/Kg | 1  | 12/15/2023 9:48:01 AM |
| Surr: DNOP                                       | 90.7   | 69-147   |      | %Rec  | 1  | 12/15/2023 9:48:01 AM |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |    | Analyst: JJP          |
| Gasoline Range Organics (GRO)                    | ND     | 3.8      |      | mg/Kg | 1  | 12/13/2023 6:27:22 PM |
| Surr: BFB  | 102    | 15-244   |      | %Rec  | 1  | 12/13/2023 6:27:22 PM |
| <b>EPA METHOD 8021B: VOLATILES</b>               |        |          |      |       |    | Analyst: JJP          |
| Benzene  | ND     | 0.019    |      | mg/Kg | 1  | 12/13/2023 6:27:22 PM |
| Toluene  | ND     | 0.038    |      | mg/Kg | 1  | 12/13/2023 6:27:22 PM |
| Ethylbenzene                                     | ND     | 0.038    |      | mg/Kg | 1  | 12/13/2023 6:27:22 PM |
| Xylenes, Total                                   | ND     | 0.077    |      | mg/Kg | 1  | 12/13/2023 6:27:22 PM |
| Surr: 4-Bromofluorobenzene                       | 103    | 39.1-146 |      | %Rec  | 1  | 12/13/2023 6:27:22 PM |
| <b>EPA METHOD 300.0: ANIONS</b>                  |        |          |      |       |    | Analyst: SNS          |
| Chloride   | 260    | 60       |      | mg/Kg | 20 | 12/13/2023 6:00:53 PM |

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

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

Analytical Report

Lab Order 2312727

Date Reported: 12/28/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Ensolum LLC

Client Sample ID: FS04

Project: Line 1003

Collection Date: 12/11/2023 11:53:00 AM

Lab ID: 2312727-004

Matrix: MEOH (SOIL)

Received Date: 12/13/2023 7:50:00 AM

| Analyses   | Result | RL       | Qual | Units | DF | Date Analyzed         |
|--|--------|----------|------|-------|----|-----------------------|
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    | Analyst: <b>DGH</b>   |
| Diesel Range Organics (DRO)                      | 48     | 9.2      |      | mg/Kg | 1  | 12/13/2023 1:21:39 PM |
| Motor Oil Range Organics (MRO)                   | ND     | 46       |      | mg/Kg | 1  | 12/13/2023 1:21:39 PM |
| Surr: DNOP                                       | 88.9   | 69-147   |      | %Rec  | 1  | 12/13/2023 1:21:39 PM |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |    | Analyst: <b>JJP</b>   |
| Gasoline Range Organics (GRO)                    | ND     | 5.0      |      | mg/Kg | 1  | 12/13/2023 6:51:00 PM |
| Surr: BFB  | 102    | 15-244   |      | %Rec  | 1  | 12/13/2023 6:51:00 PM |
| <b>EPA METHOD 8021B: VOLATILES</b>               |        |          |      |       |    | Analyst: <b>JJP</b>   |
| Benzene  | ND     | 0.025    |      | mg/Kg | 1  | 12/13/2023 6:51:00 PM |
| Toluene  | ND     | 0.050    |      | mg/Kg | 1  | 12/13/2023 6:51:00 PM |
| Ethylbenzene                                     | ND     | 0.050    |      | mg/Kg | 1  | 12/13/2023 6:51:00 PM |
| Xylenes, Total                                   | ND     | 0.099    |      | mg/Kg | 1  | 12/13/2023 6:51:00 PM |
| Surr: 4-Bromofluorobenzene                       | 103    | 39.1-146 |      | %Rec  | 1  | 12/13/2023 6:51:00 PM |
| <b>EPA METHOD 300.0: ANIONS</b>                  |        |          |      |       |    | Analyst: <b>SNS</b>   |
| Chloride   | 640    | 60       |      | mg/Kg | 20 | 12/13/2023 7:16:39 PM |

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

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

**Analytical Report**

Lab Order **2312727**

Date Reported: **12/28/2023**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Ensolum LLC

**Client Sample ID:** FS05

**Project:** Line 1003

**Collection Date:** 12/11/2023 12:02:00 PM

**Lab ID:** 2312727-005

**Matrix:** MEOH (SOIL)

**Received Date:** 12/13/2023 7:50:00 AM

| Analyses   | Result | RL       | Qual | Units | DF  | Date Analyzed          |
|--|--------|----------|------|-------|-----|------------------------|
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |     | Analyst: <b>DGH</b>    |
| Diesel Range Organics (DRO)                      | 13000  | 960      |      | mg/Kg | 100 | 12/15/2023 10:59:28 AM |
| Motor Oil Range Organics (MRO)                   | 5800   | 4800     |      | mg/Kg | 100 | 12/15/2023 10:59:28 AM |
| Surr: DNOP                                       | 0      | 69-147   | S    | %Rec  | 100 | 12/15/2023 10:59:28 AM |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |     | Analyst: <b>JJP</b>    |
| Gasoline Range Organics (GRO)                    | 210    | 20       |      | mg/Kg | 5   | 12/13/2023 7:15:12 PM  |
| Surr: BFB  | 465    | 15-244   | S    | %Rec  | 5   | 12/13/2023 7:15:12 PM  |
| <b>EPA METHOD 8021B: VOLATILES</b>               |        |          |      |       |     | Analyst: <b>JJP</b>    |
| Benzene  | 0.24   | 0.099    |      | mg/Kg | 5   | 12/13/2023 7:15:12 PM  |
| Toluene  | 2.9    | 0.20     |      | mg/Kg | 5   | 12/13/2023 7:15:12 PM  |
| Ethylbenzene                                     | 0.85   | 0.20     |      | mg/Kg | 5   | 12/13/2023 7:15:12 PM  |
| Xylenes, Total                                   | 6.0    | 0.40     |      | mg/Kg | 5   | 12/13/2023 7:15:12 PM  |
| Surr: 4-Bromofluorobenzene                       | 120    | 39.1-146 |      | %Rec  | 5   | 12/13/2023 7:15:12 PM  |
| <b>EPA METHOD 300.0: ANIONS</b>                  |        |          |      |       |     | Analyst: <b>SNS</b>    |
| Chloride   | 2000   | 60       |      | mg/Kg | 20  | 12/13/2023 7:31:48 PM  |

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

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

**Analytical Report**

Lab Order **2312727**

Date Reported: **12/28/2023**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Ensolum LLC

**Client Sample ID:** SW01

**Project:** Line 1003

**Collection Date:** 12/11/2023 3:13:00 PM

**Lab ID:** 2312727-006

**Matrix:** MEOH (SOIL)

**Received Date:** 12/13/2023 7:50:00 AM

| Analyses   | Result | RL       | Qual | Units | DF | Date Analyzed         |
|--|--------|----------|------|-------|----|-----------------------|
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    | Analyst: <b>DGH</b>   |
| Diesel Range Organics (DRO)                      | ND     | 9.5      |      | mg/Kg | 1  | 12/13/2023 1:32:09 PM |
| Motor Oil Range Organics (MRO)                   | ND     | 48       |      | mg/Kg | 1  | 12/13/2023 1:32:09 PM |
| Surr: DNOP                                       | 88.9   | 69-147   |      | %Rec  | 1  | 12/13/2023 1:32:09 PM |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |    | Analyst: <b>JJP</b>   |
| Gasoline Range Organics (GRO)                    | ND     | 5.2      |      | mg/Kg | 1  | 12/13/2023 7:38:58 PM |
| Surr: BFB  | 109    | 15-244   |      | %Rec  | 1  | 12/13/2023 7:38:58 PM |
| <b>EPA METHOD 8021B: VOLATILES</b>               |        |          |      |       |    | Analyst: <b>JJP</b>   |
| Benzene  | ND     | 0.026    |      | mg/Kg | 1  | 12/13/2023 7:38:58 PM |
| Toluene  | ND     | 0.052    |      | mg/Kg | 1  | 12/13/2023 7:38:58 PM |
| Ethylbenzene                                     | ND     | 0.052    |      | mg/Kg | 1  | 12/13/2023 7:38:58 PM |
| Xylenes, Total                                   | ND     | 0.10     |      | mg/Kg | 1  | 12/13/2023 7:38:58 PM |
| Surr: 4-Bromofluorobenzene                       | 99.3   | 39.1-146 |      | %Rec  | 1  | 12/13/2023 7:38:58 PM |
| <b>EPA METHOD 300.0: ANIONS</b>                  |        |          |      |       |    | Analyst: <b>SNS</b>   |
| Chloride   | 920    | 60       |      | mg/Kg | 20 | 12/13/2023 7:46:58 PM |

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

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

Analytical Report

Lab Order 2312727

Date Reported: 12/28/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Ensolum LLC

Client Sample ID: SW02

Project: Line 1003

Collection Date: 12/11/2023 11:26:00 AM

Lab ID: 2312727-007

Matrix: MEOH (SOIL)

Received Date: 12/13/2023 7:50:00 AM

| Analyses   | Result | RL       | Qual | Units | DF | Date Analyzed         |
|--|--------|----------|------|-------|----|-----------------------|
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    | Analyst: <b>DGH</b>   |
| Diesel Range Organics (DRO)                      | 8900   | 93       |      | mg/Kg | 10 | 12/14/2023 9:18:37 AM |
| Motor Oil Range Organics (MRO)                   | 3600   | 470      |      | mg/Kg | 10 | 12/14/2023 9:18:37 AM |
| Surr: DNOP                                       | 0      | 69-147   | S    | %Rec  | 10 | 12/14/2023 9:18:37 AM |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |    | Analyst: <b>JJP</b>   |
| Gasoline Range Organics (GRO)                    | 450    | 17       |      | mg/Kg | 5  | 12/13/2023 8:02:48 PM |
| Surr: BFB  | 1000   | 15-244   | S    | %Rec  | 5  | 12/13/2023 8:02:48 PM |
| <b>EPA METHOD 8021B: VOLATILES</b>               |        |          |      |       |    | Analyst: <b>JJP</b>   |
| Benzene  | ND     | 0.085    |      | mg/Kg | 5  | 12/13/2023 8:02:48 PM |
| Toluene  | 3.8    | 0.17     |      | mg/Kg | 5  | 12/13/2023 8:02:48 PM |
| Ethylbenzene                                     | 3.6    | 0.17     |      | mg/Kg | 5  | 12/13/2023 8:02:48 PM |
| Xylenes, Total                                   | 35     | 0.34     |      | mg/Kg | 5  | 12/13/2023 8:02:48 PM |
| Surr: 4-Bromofluorobenzene                       | 166    | 39.1-146 | S    | %Rec  | 5  | 12/13/2023 8:02:48 PM |
| <b>EPA METHOD 300.0: ANIONS</b>                  |        |          |      |       |    | Analyst: <b>SNS</b>   |
| Chloride   | 1600   | 60       |      | mg/Kg | 20 | 12/13/2023 8:02:07 PM |

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

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

Analytical Report

Lab Order 2312727

Date Reported: 12/28/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Ensolum LLC

Client Sample ID: SW03

Project: Line 1003

Collection Date: 12/11/2023 11:35:00 AM

Lab ID: 2312727-008

Matrix: MEOH (SOIL)

Received Date: 12/13/2023 7:50:00 AM

| Analyses   | Result | RL       | Qual | Units | DF | Date Analyzed         |
|--|--------|----------|------|-------|----|-----------------------|
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    | Analyst: <b>DGH</b>   |
| Diesel Range Organics (DRO)                      | ND     | 10       |      | mg/Kg | 1  | 12/13/2023 1:42:41 PM |
| Motor Oil Range Organics (MRO)                   | ND     | 50       |      | mg/Kg | 1  | 12/13/2023 1:42:41 PM |
| Surr: DNOP                                       | 86.9   | 69-147   |      | %Rec  | 1  | 12/13/2023 1:42:41 PM |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |    | Analyst: <b>JJP</b>   |
| Gasoline Range Organics (GRO)                    | ND     | 4.9      |      | mg/Kg | 1  | 12/13/2023 9:38:00 PM |
| Surr: BFB  | 102    | 15-244   |      | %Rec  | 1  | 12/13/2023 9:38:00 PM |
| <b>EPA METHOD 8021B: VOLATILES</b>               |        |          |      |       |    | Analyst: <b>JJP</b>   |
| Benzene  | ND     | 0.025    |      | mg/Kg | 1  | 12/13/2023 9:38:00 PM |
| Toluene  | ND     | 0.049    |      | mg/Kg | 1  | 12/13/2023 9:38:00 PM |
| Ethylbenzene                                     | ND     | 0.049    |      | mg/Kg | 1  | 12/13/2023 9:38:00 PM |
| Xylenes, Total                                   | ND     | 0.098    |      | mg/Kg | 1  | 12/13/2023 9:38:00 PM |
| Surr: 4-Bromofluorobenzene                       | 101    | 39.1-146 |      | %Rec  | 1  | 12/13/2023 9:38:00 PM |
| <b>EPA METHOD 300.0: ANIONS</b>                  |        |          |      |       |    | Analyst: <b>SNS</b>   |
| Chloride   | 1300   | 60       |      | mg/Kg | 20 | 12/13/2023 8:17:17 PM |

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

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

**Analytical Report**

Lab Order **2312727**

Date Reported: **12/28/2023**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Ensolum LLC

**Client Sample ID:** SW04

**Project:** Line 1003

**Collection Date:** 12/11/2023 11:46:00 AM

**Lab ID:** 2312727-009

**Matrix:** MEOH (SOIL)

**Received Date:** 12/13/2023 7:50:00 AM

| Analyses   | Result | RL       | Qual | Units | DF | Date Analyzed          |
|--|--------|----------|------|-------|----|------------------------|
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    | Analyst: <b>DGH</b>    |
| Diesel Range Organics (DRO)                      | ND     | 8.4      |      | mg/Kg | 1  | 12/13/2023 1:53:12 PM  |
| Motor Oil Range Organics (MRO)                   | ND     | 42       |      | mg/Kg | 1  | 12/13/2023 1:53:12 PM  |
| Surr: DNOP                                       | 84.6   | 69-147   |      | %Rec  | 1  | 12/13/2023 1:53:12 PM  |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |    | Analyst: <b>JJP</b>    |
| Gasoline Range Organics (GRO)                    | ND     | 3.8      |      | mg/Kg | 1  | 12/13/2023 11:13:27 PM |
| Surr: BFB  | 101    | 15-244   |      | %Rec  | 1  | 12/13/2023 11:13:27 PM |
| <b>EPA METHOD 8021B: VOLATILES</b>               |        |          |      |       |    | Analyst: <b>JJP</b>    |
| Benzene  | ND     | 0.019    |      | mg/Kg | 1  | 12/13/2023 11:13:27 PM |
| Toluene  | ND     | 0.038    |      | mg/Kg | 1  | 12/13/2023 11:13:27 PM |
| Ethylbenzene                                     | ND     | 0.038    |      | mg/Kg | 1  | 12/13/2023 11:13:27 PM |
| Xylenes, Total                                   | ND     | 0.076    |      | mg/Kg | 1  | 12/13/2023 11:13:27 PM |
| Surr: 4-Bromofluorobenzene                       | 102    | 39.1-146 |      | %Rec  | 1  | 12/13/2023 11:13:27 PM |
| <b>EPA METHOD 300.0: ANIONS</b>                  |        |          |      |       |    | Analyst: <b>SNS</b>    |
| Chloride   | 430    | 60       |      | mg/Kg | 20 | 12/13/2023 8:32:26 PM  |

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

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

**Analytical Report**

Lab Order **2312727**

Date Reported: **12/28/2023**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Ensolum LLC

**Client Sample ID:** SW05

**Project:** Line 1003

**Collection Date:** 12/11/2023 11:56:00 AM

**Lab ID:** 2312727-010

**Matrix:** MEOH (SOIL) **Received Date:** 12/13/2023 7:50:00 AM

| Analyses   | Result | RL       | Qual | Units | DF | Date Analyzed          |
|--|--------|----------|------|-------|----|------------------------|
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    | Analyst: <b>DGH</b>    |
| Diesel Range Organics (DRO)                      | 37     | 8.6      |      | mg/Kg | 1  | 12/13/2023 2:03:45 PM  |
| Motor Oil Range Organics (MRO)                   | ND     | 43       |      | mg/Kg | 1  | 12/13/2023 2:03:45 PM  |
| Surr: DNOP                                       | 87.1   | 69-147   |      | %Rec  | 1  | 12/13/2023 2:03:45 PM  |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |    | Analyst: <b>JJP</b>    |
| Gasoline Range Organics (GRO)                    | ND     | 3.9      |      | mg/Kg | 1  | 12/13/2023 11:37:36 PM |
| Surr: BFB  | 99.8   | 15-244   |      | %Rec  | 1  | 12/13/2023 11:37:36 PM |
| <b>EPA METHOD 8021B: VOLATILES</b>               |        |          |      |       |    | Analyst: <b>JJP</b>    |
| Benzene  | ND     | 0.019    |      | mg/Kg | 1  | 12/13/2023 11:37:36 PM |
| Toluene  | ND     | 0.039    |      | mg/Kg | 1  | 12/13/2023 11:37:36 PM |
| Ethylbenzene                                     | ND     | 0.039    |      | mg/Kg | 1  | 12/13/2023 11:37:36 PM |
| Xylenes, Total                                   | ND     | 0.078    |      | mg/Kg | 1  | 12/13/2023 11:37:36 PM |
| Surr: 4-Bromofluorobenzene                       | 99.9   | 39.1-146 |      | %Rec  | 1  | 12/13/2023 11:37:36 PM |
| <b>EPA METHOD 300.0: ANIONS</b>                  |        |          |      |       |    | Analyst: <b>SNS</b>    |
| Chloride   | 100    | 60       |      | mg/Kg | 20 | 12/13/2023 8:47:35 PM  |

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

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

Analytical Report

Lab Order 2312727

Date Reported: 12/28/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Ensolum LLC

Client Sample ID: SW06

Project: Line 1003

Collection Date: 12/11/2023 11:58:00 AM

Lab ID: 2312727-011

Matrix: MEOH (SOIL)

Received Date: 12/13/2023 7:50:00 AM

| Analyses   | Result | RL       | Qual | Units | DF | Date Analyzed          |
|--|--------|----------|------|-------|----|------------------------|
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    | Analyst: <b>DGH</b>    |
| Diesel Range Organics (DRO)                      | 58     | 9.5      |      | mg/Kg | 1  | 12/13/2023 2:14:18 PM  |
| Motor Oil Range Organics (MRO)                   | 60     | 48       |      | mg/Kg | 1  | 12/13/2023 2:14:18 PM  |
| Surr: DNOP                                       | 91.6   | 69-147   |      | %Rec  | 1  | 12/13/2023 2:14:18 PM  |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |    | Analyst: <b>JJP</b>    |
| Gasoline Range Organics (GRO)                    | ND     | 4.0      |      | mg/Kg | 1  | 12/14/2023 12:01:21 AM |
| Surr: BFB  | 99.3   | 15-244   |      | %Rec  | 1  | 12/14/2023 12:01:21 AM |
| <b>EPA METHOD 8021B: VOLATILES</b>               |        |          |      |       |    | Analyst: <b>JJP</b>    |
| Benzene  | ND     | 0.020    |      | mg/Kg | 1  | 12/14/2023 12:01:21 AM |
| Toluene  | ND     | 0.040    |      | mg/Kg | 1  | 12/14/2023 12:01:21 AM |
| Ethylbenzene                                     | ND     | 0.040    |      | mg/Kg | 1  | 12/14/2023 12:01:21 AM |
| Xylenes, Total                                   | ND     | 0.079    |      | mg/Kg | 1  | 12/14/2023 12:01:21 AM |
| Surr: 4-Bromofluorobenzene                       | 101    | 39.1-146 |      | %Rec  | 1  | 12/14/2023 12:01:21 AM |
| <b>EPA METHOD 300.0: ANIONS</b>                  |        |          |      |       |    | Analyst: <b>SNS</b>    |
| Chloride   | 170    | 60       |      | mg/Kg | 20 | 12/13/2023 9:02:44 PM  |

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

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2312727

28-Dec-23

**Client:** Ensolum LLC

**Project:** Line 1003

| Sample ID: <b>MB-79363</b>   | SampType: <b>MBLK</b>            | TestCode: <b>EPA Method 300.0: Anions</b> |                     |             |      |          |           |      |          |      |
|------------------------------|----------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: <b>PBS</b>        | Batch ID: <b>79363</b>           | RunNo: <b>101822</b>                      |                     |             |      |          |           |      |          |      |
| Prep Date: <b>12/13/2023</b> | Analysis Date: <b>12/13/2023</b> | SeqNo: <b>3754014</b>                     | Units: <b>mg/Kg</b> |             |      |          |           |      |          |      |
| Analyte                      | Result                           | PQL                                       | SPK value           | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride                     | ND                               | 1.5                                       |                     |             |      |          |           |      |          |      |

| Sample ID: <b>LCS-79363</b>  | SampType: <b>LCS</b>             | TestCode: <b>EPA Method 300.0: Anions</b> |                     |             |      |          |           |      |          |      |
|------------------------------|----------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: <b>LCSS</b>       | Batch ID: <b>79363</b>           | RunNo: <b>101822</b>                      |                     |             |      |          |           |      |          |      |
| Prep Date: <b>12/13/2023</b> | Analysis Date: <b>12/13/2023</b> | SeqNo: <b>3754015</b>                     | Units: <b>mg/Kg</b> |             |      |          |           |      |          |      |
| Analyte                      | Result                           | PQL                                       | SPK value           | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride                     | 14                               | 1.5                                       | 15.00               | 0           | 95.3 | 90       | 110       |      |          |      |

**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 Quantitative 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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2312727

28-Dec-23

**Client:** Ensolum LLC

**Project:** Line 1003

| Sample ID: <b>LCS-79345</b>  | SampType: <b>LCS</b>             |     | TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b> |             |                     |          |           |      |          |      |
|------------------------------|----------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: <b>LCSS</b>       | Batch ID: <b>79345</b>           |     | RunNo: <b>101807</b>                                       |             |                     |          |           |      |          |      |
| Prep Date: <b>12/13/2023</b> | Analysis Date: <b>12/13/2023</b> |     | SeqNo: <b>3752755</b>                                      |             | Units: <b>mg/Kg</b> |          |           |      |          |      |
| Analyte                      | Result                           | PQL | SPK value  | SPK Ref Val | %REC                | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO)  | 43                               | 10  | 50.00  | 0           | 85.0                | 61.9     | 130       |      |          |      |
| Surr: DNOP                   | 4.2                              |     | 5.000  |             | 83.8                | 69       | 147       |      |          |      |

| Sample ID: <b>MB-79345</b>     | SampType: <b>MBLK</b>            |     | TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b> |             |                     |          |           |      |          |      |
|--------------------------------|----------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: <b>PBS</b>          | Batch ID: <b>79345</b>           |     | RunNo: <b>101807</b>                                       |             |                     |          |           |      |          |      |
| Prep Date: <b>12/13/2023</b>   | Analysis Date: <b>12/13/2023</b> |     | SeqNo: <b>3752756</b>                                      |             | Units: <b>mg/Kg</b> |          |           |      |          |      |
| Analyte                        | Result                           | PQL | SPK value  | SPK Ref Val | %REC                | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO)    | ND                               | 10  |  |             |                     |          |           |      |          |      |
| Motor Oil Range Organics (MRO) | ND                               | 50  |  |             |                     |          |           |      |          |      |
| Surr: DNOP                     | 8.2                              |     | 10.00  |             | 82.0                | 69       | 147       |      |          |      |

| Sample ID: <b>MB-79324</b>   | SampType: <b>MBLK</b>            |     | TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b> |             |                    |          |           |      |          |      |
|------------------------------|----------------------------------|-----|--|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: <b>PBS</b>        | Batch ID: <b>79324</b>           |     | RunNo: <b>101809</b>                                       |             |                    |          |           |      |          |      |
| Prep Date: <b>12/12/2023</b> | Analysis Date: <b>12/13/2023</b> |     | SeqNo: <b>3752938</b>                                      |             | Units: <b>%Rec</b> |          |           |      |          |      |
| Analyte                      | Result                           | PQL | SPK value  | SPK Ref Val | %REC               | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP                   | 10                               |     | 10.00  |             | 105                | 69       | 147       |      |          |      |

| Sample ID: <b>LCS-79324</b>  | SampType: <b>LCS</b>             |     | TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b> |             |                    |          |           |      |          |      |
|------------------------------|----------------------------------|-----|--|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: <b>LCSS</b>       | Batch ID: <b>79324</b>           |     | RunNo: <b>101809</b>                                       |             |                    |          |           |      |          |      |
| Prep Date: <b>12/12/2023</b> | Analysis Date: <b>12/13/2023</b> |     | SeqNo: <b>3752939</b>                                      |             | Units: <b>%Rec</b> |          |           |      |          |      |
| Analyte                      | Result                           | PQL | SPK value  | SPK Ref Val | %REC               | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP                   | 4.3                              |     | 5.000  |             | 86.5               | 69       | 147       |      |          |      |

| Sample ID: <b>MB-79326</b>   | SampType: <b>MBLK</b>            |     | TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b> |             |                    |          |           |      |          |      |
|------------------------------|----------------------------------|-----|--|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: <b>PBS</b>        | Batch ID: <b>79326</b>           |     | RunNo: <b>101809</b>                                       |             |                    |          |           |      |          |      |
| Prep Date: <b>12/12/2023</b> | Analysis Date: <b>12/13/2023</b> |     | SeqNo: <b>3754791</b>                                      |             | Units: <b>%Rec</b> |          |           |      |          |      |
| Analyte                      | Result                           | PQL | SPK value  | SPK Ref Val | %REC               | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP                   | 8.2                              |     | 10.00  |             | 82.3               | 69       | 147       |      |          |      |

| Sample ID: <b>LCS-79326</b>  | SampType: <b>LCS</b>             |     | TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b> |             |                    |          |           |      |          |      |
|------------------------------|----------------------------------|-----|--|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: <b>LCSS</b>       | Batch ID: <b>79326</b>           |     | RunNo: <b>101809</b>                                       |             |                    |          |           |      |          |      |
| Prep Date: <b>12/12/2023</b> | Analysis Date: <b>12/13/2023</b> |     | SeqNo: <b>3754792</b>                                      |             | Units: <b>%Rec</b> |          |           |      |          |      |
| Analyte                      | Result                           | PQL | SPK value  | SPK Ref Val | %REC               | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP                   | 3.7                              |     | 5.000  |             | 73.1               | 69       | 147       |      |          |      |

**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 Quantitative 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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2312727

28-Dec-23

**Client:** Ensolum LLC

**Project:** Line 1003

| Sample ID: <b>2.5UG GRO LCS</b> | SampType: <b>LCS</b>             | TestCode: <b>EPA Method 8015D: Gasoline Range</b> |           |             |                     |          |           |      |          |      |
|---------------------------------|----------------------------------|---|-----------|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: <b>LCSS</b>          | Batch ID: <b>GS101798</b>        | RunNo: <b>101798</b>                              |           |             |                     |          |           |      |          |      |
| Prep Date:                      | Analysis Date: <b>12/13/2023</b> | SeqNo: <b>3752235</b>                             |           |             | Units: <b>mg/Kg</b> |          |           |      |          |      |
| Analyte                         | Result                           | PQL   | SPK value | SPK Ref Val | %REC                | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO)   | 23                               | 5.0   | 25.00     | 0           | 93.1                | 70       | 130       |      |          |      |
| Surr: BFB                       | 2100                             |   | 1000      |             | 209                 | 15       | 244       |      |          |      |

| Sample ID: <b>mb</b>          | SampType: <b>MBLK</b>            | TestCode: <b>EPA Method 8015D: Gasoline Range</b> |           |             |                     |          |           |      |          |      |
|-------------------------------|----------------------------------|---|-----------|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: <b>PBS</b>         | Batch ID: <b>GS101798</b>        | RunNo: <b>101798</b>                              |           |             |                     |          |           |      |          |      |
| Prep Date:                    | Analysis Date: <b>12/13/2023</b> | SeqNo: <b>3752237</b>                             |           |             | Units: <b>mg/Kg</b> |          |           |      |          |      |
| Analyte                       | Result                           | PQL   | SPK value | SPK Ref Val | %REC                | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND                               | 5.0   |           |             |                     |          |           |      |          |      |
| Surr: BFB                     | 990                              |   | 1000      |             | 98.8                | 15       | 244       |      |          |      |

**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 Quantitative 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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2312727

28-Dec-23

**Client:** Ensolum LLC

**Project:** Line 1003

| Sample ID: <b>100NG BTEX LCS</b> | SampType: <b>LCS</b>             | TestCode: <b>EPA Method 8021B: Volatiles</b> |           |             |                     |          |           |      |          |      |
|----------------------------------|----------------------------------|--|-----------|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: <b>LCSS</b>           | Batch ID: <b>BS101798</b>        | RunNo: <b>101798</b>                         |           |             |                     |          |           |      |          |      |
| Prep Date:                       | Analysis Date: <b>12/13/2023</b> | SeqNo: <b>3752248</b>                        |           |             | Units: <b>mg/Kg</b> |          |           |      |          |      |
| Analyte                          | Result                           | PQL  | SPK value | SPK Ref Val | %REC                | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene                          | 0.90                             | 0.025  | 1.000     | 0           | 89.9                | 70       | 130       |      |          |      |
| Toluene                          | 0.92                             | 0.050  | 1.000     | 0           | 91.7                | 70       | 130       |      |          |      |
| Ethylbenzene                     | 0.92                             | 0.050  | 1.000     | 0           | 92.5                | 70       | 130       |      |          |      |
| Xylenes, Total                   | 2.8                              | 0.10   | 3.000     | 0           | 93.1                | 70       | 130       |      |          |      |
| Surr: 4-Bromofluorobenzene       | 1.0                              |  | 1.000     |             | 102                 | 39.1     | 146       |      |          |      |

| Sample ID: <b>mb</b>       | SampType: <b>MBLK</b>            | TestCode: <b>EPA Method 8021B: Volatiles</b> |           |             |                     |          |           |      |          |      |
|----------------------------|----------------------------------|--|-----------|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: <b>PBS</b>      | Batch ID: <b>BS101798</b>        | RunNo: <b>101798</b>                         |           |             |                     |          |           |      |          |      |
| Prep Date:                 | Analysis Date: <b>12/13/2023</b> | SeqNo: <b>3752249</b>                        |           |             | Units: <b>mg/Kg</b> |          |           |      |          |      |
| Analyte                    | Result                           | PQL  | SPK value | SPK Ref Val | %REC                | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene                    | ND                               | 0.025  |           |             |                     |          |           |      |          |      |
| Toluene                    | ND                               | 0.050  |           |             |                     |          |           |      |          |      |
| Ethylbenzene               | ND                               | 0.050  |           |             |                     |          |           |      |          |      |
| Xylenes, Total             | ND                               | 0.10   |           |             |                     |          |           |      |          |      |
| Surr: 4-Bromofluorobenzene | 1.0                              |  | 1.000     |             | 101                 | 39.1     | 146       |      |          |      |

| Sample ID: <b>2312727-001ams</b> | SampType: <b>MS</b>              | TestCode: <b>EPA Method 8021B: Volatiles</b> |           |             |                     |          |           |      |          |      |
|----------------------------------|----------------------------------|--|-----------|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: <b>FS01</b>           | Batch ID: <b>BS101798</b>        | RunNo: <b>101798</b>                         |           |             |                     |          |           |      |          |      |
| Prep Date:                       | Analysis Date: <b>12/14/2023</b> | SeqNo: <b>3753479</b>                        |           |             | Units: <b>mg/Kg</b> |          |           |      |          |      |
| Analyte                          | Result                           | PQL  | SPK value | SPK Ref Val | %REC                | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene                          | 0.72                             | 0.020  | 0.7899    | 0           | 90.6                | 70       | 130       |      |          |      |
| Toluene                          | 0.73                             | 0.039  | 0.7899    | 0           | 92.0                | 70       | 130       |      |          |      |
| Ethylbenzene                     | 0.73                             | 0.039  | 0.7899    | 0.009637    | 91.7                | 70       | 130       |      |          |      |
| Xylenes, Total                   | 2.3                              | 0.079  | 2.370     | 0.04028     | 93.4                | 70       | 130       |      |          |      |
| Surr: 4-Bromofluorobenzene       | 0.80                             |  | 0.7899    |             | 102                 | 39.1     | 146       |      |          |      |

| Sample ID: <b>2312727-001amsd</b> | SampType: <b>MSD</b>             | TestCode: <b>EPA Method 8021B: Volatiles</b> |           |             |                     |          |           |       |          |      |
|-----------------------------------|----------------------------------|--|-----------|-------------|---------------------|----------|-----------|-------|----------|------|
| Client ID: <b>FS01</b>            | Batch ID: <b>BS101798</b>        | RunNo: <b>101798</b>                         |           |             |                     |          |           |       |          |      |
| Prep Date:                        | Analysis Date: <b>12/14/2023</b> | SeqNo: <b>3753480</b>                        |           |             | Units: <b>mg/Kg</b> |          |           |       |          |      |
| Analyte                           | Result                           | PQL  | SPK value | SPK Ref Val | %REC                | LowLimit | HighLimit | %RPD  | RPDLimit | Qual |
| Benzene                           | 0.69                             | 0.020  | 0.7899    | 0           | 86.9                | 70       | 130       | 4.15  | 20       |      |
| Toluene                           | 0.71                             | 0.039  | 0.7899    | 0           | 90.2                | 70       | 130       | 2.05  | 20       |      |
| Ethylbenzene                      | 0.73                             | 0.039  | 0.7899    | 0.009637    | 91.1                | 70       | 130       | 0.616 | 20       |      |
| Xylenes, Total                    | 2.2                              | 0.079  | 2.370     | 0.04028     | 92.2                | 70       | 130       | 1.24  | 20       |      |
| Surr: 4-Bromofluorobenzene        | 0.81                             |  | 0.7899    |             | 102                 | 39.1     | 146       | 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 Quantitative 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



# Sample Log-In Check List

Client Name: **Ensolum LLC** Work Order Number: **2312727** RcptNo: **1**

Received By: **Tracy Casarrubias** 12/13/2023 7:50:00 AM

Completed By: **Tracy Casarrubias** 12/13/2023 8:17:28 AM

Reviewed By: *TC 12/13/23*

### Chain of Custody

1. Is Chain of Custody complete? Yes  No  Not Present
2. How was the sample delivered? Courier

### Log In

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  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  NA
10. Were any sample containers received broken? Yes  No
11. Does paperwork match bottle labels? Yes  No   
(Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody? Yes  No
13. Is it clear what analyses were requested? Yes  No
14. Were all holding times able to be met? Yes  No   
(If no, notify customer for authorization.)

# of preserved bottles checked for pH: \_\_\_\_\_  
(<2 or >12 unless noted)  
Adjusted? \_\_\_\_\_  
Checked by: *TC 12/13/23*

### Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes  No  NA

Person Notified: \_\_\_\_\_ Date: \_\_\_\_\_  
 By Whom: \_\_\_\_\_ Via:  eMail  Phone  Fax  In Person  
 Regarding: \_\_\_\_\_  
 Client Instructions: City, state, and zip code on mailing address and clients date and time of relinquishment ar

16. Additional remarks:  
Date and time of client's relinquish signature does not match drivers

### 17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1         | 5.5     | Good      | Yes         | Yogi    |           |           |





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

December 28, 2023

Kelly Lowery  
Ensolum LLC  
601 Marrenfield #400  
Midland, TX 79701  
TEL: (214) 733-3165  
FAX:

RE: Line 1003

OrderNo.: 2312734

Dear Kelly Lowery:

Eurofins Environment Testing South Central, LLC received 4 sample(s) on 12/13/2023 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](http://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,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

**Analytical Report**

Lab Order **2312734**

Date Reported: **12/28/2023**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Ensolum LLC

**Client Sample ID:** SW

**Project:** Line 1003

**Collection Date:** 12/11/2023 3:48:00 PM

**Lab ID:** 2312734-001

**Matrix:** MEOH (SOIL)

**Received Date:** 12/13/2023 7:50:00 AM

| Analyses   | Result | RL       | Qual | Units | DF | Date Analyzed          |
|--|--------|----------|------|-------|----|------------------------|
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    | Analyst: <b>DGH</b>    |
| Diesel Range Organics (DRO)                      | 11     | 9.9      |      | mg/Kg | 1  | 12/14/2023 10:28:01 AM |
| Motor Oil Range Organics (MRO)                   | ND     | 50       |      | mg/Kg | 1  | 12/14/2023 10:28:01 AM |
| Surr: DNOP                                       | 105    | 69-147   |      | %Rec  | 1  | 12/14/2023 10:28:01 AM |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |    | Analyst: <b>JJP</b>    |
| Gasoline Range Organics (GRO)                    | ND     | 5.3      |      | mg/Kg | 1  | 12/14/2023 3:35:35 AM  |
| Surr: BFB  | 101    | 15-244   |      | %Rec  | 1  | 12/14/2023 3:35:35 AM  |
| <b>EPA METHOD 8021B: VOLATILES</b>               |        |          |      |       |    | Analyst: <b>JJP</b>    |
| Benzene  | ND     | 0.026    |      | mg/Kg | 1  | 12/14/2023 3:35:35 AM  |
| Toluene  | ND     | 0.053    |      | mg/Kg | 1  | 12/14/2023 3:35:35 AM  |
| Ethylbenzene                                     | ND     | 0.053    |      | mg/Kg | 1  | 12/14/2023 3:35:35 AM  |
| Xylenes, Total                                   | ND     | 0.11     |      | mg/Kg | 1  | 12/14/2023 3:35:35 AM  |
| Surr: 4-Bromofluorobenzene                       | 101    | 39.1-146 |      | %Rec  | 1  | 12/14/2023 3:35:35 AM  |
| <b>EPA METHOD 300.0: ANIONS</b>                  |        |          |      |       |    | Analyst: <b>SNS</b>    |
| Chloride   | ND     | 60       |      | mg/Kg | 20 | 12/13/2023 11:34:21 PM |

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

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

Analytical Report

Lab Order 2312734

Date Reported: 12/28/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Ensolum LLC

Client Sample ID: NW

Project: Line 1003

Collection Date: 12/11/2023 3:49:00 PM

Lab ID: 2312734-002

Matrix: MEOH (SOIL)

Received Date: 12/13/2023 7:50:00 AM

| Analyses   | Result | RL       | Qual | Units | DF | Date Analyzed          |
|--|--------|----------|------|-------|----|------------------------|
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    | Analyst: <b>DGH</b>    |
| Diesel Range Organics (DRO)                      | ND     | 9.7      |      | mg/Kg | 1  | 12/14/2023 11:16:26 AM |
| Motor Oil Range Organics (MRO)                   | ND     | 48       |      | mg/Kg | 1  | 12/14/2023 11:16:26 AM |
| Surr: DNOP                                       | 91.8   | 69-147   |      | %Rec  | 1  | 12/14/2023 11:16:26 AM |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |    | Analyst: <b>RAA</b>    |
| Gasoline Range Organics (GRO)                    | ND     | 5.9      |      | mg/Kg | 1  | 12/13/2023 11:51:00 PM |
| Surr: BFB  | 99.7   | 15-244   |      | %Rec  | 1  | 12/13/2023 11:51:00 PM |
| <b>EPA METHOD 8021B: VOLATILES</b>               |        |          |      |       |    | Analyst: <b>RAA</b>    |
| Benzene  | ND     | 0.029    |      | mg/Kg | 1  | 12/13/2023 11:51:00 PM |
| Toluene  | ND     | 0.059    |      | mg/Kg | 1  | 12/13/2023 11:51:00 PM |
| Ethylbenzene                                     | ND     | 0.059    |      | mg/Kg | 1  | 12/13/2023 11:51:00 PM |
| Xylenes, Total                                   | ND     | 0.12     |      | mg/Kg | 1  | 12/13/2023 11:51:00 PM |
| Surr: 4-Bromofluorobenzene                       | 99.4   | 39.1-146 |      | %Rec  | 1  | 12/13/2023 11:51:00 PM |
| <b>EPA METHOD 300.0: ANIONS</b>                  |        |          |      |       |    | Analyst: <b>SNS</b>    |
| Chloride   | ND     | 60       |      | mg/Kg | 20 | 12/13/2023 11:49:30 PM |

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

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

Analytical Report

Lab Order 2312734

Date Reported: 12/28/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Ensolum LLC

Client Sample ID: NE

Project: Line 1003

Collection Date: 12/11/2023 3:50:00 PM

Lab ID: 2312734-003

Matrix: MEOH (SOIL) Received Date: 12/13/2023 7:50:00 AM

| Analyses   | Result | RL       | Qual | Units | DF | Date Analyzed          |
|--|--------|----------|------|-------|----|------------------------|
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    | Analyst: <b>DGH</b>    |
| Diesel Range Organics (DRO)                      | 34     | 9.9      |      | mg/Kg | 1  | 12/14/2023 7:44:14 AM  |
| Motor Oil Range Organics (MRO)                   | 75     | 50       |      | mg/Kg | 1  | 12/14/2023 7:44:14 AM  |
| Surr: DNOP                                       | 108    | 69-147   |      | %Rec  | 1  | 12/14/2023 7:44:14 AM  |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |    | Analyst: <b>RAA</b>    |
| Gasoline Range Organics (GRO)                    | ND     | 5.4      |      | mg/Kg | 1  | 12/14/2023 12:56:00 AM |
| Surr: BFB  | 100    | 15-244   |      | %Rec  | 1  | 12/14/2023 12:56:00 AM |
| <b>EPA METHOD 8021B: VOLATILES</b>               |        |          |      |       |    | Analyst: <b>RAA</b>    |
| Benzene  | ND     | 0.027    |      | mg/Kg | 1  | 12/14/2023 12:56:00 AM |
| Toluene  | ND     | 0.054    |      | mg/Kg | 1  | 12/14/2023 12:56:00 AM |
| Ethylbenzene                                     | ND     | 0.054    |      | mg/Kg | 1  | 12/14/2023 12:56:00 AM |
| Xylenes, Total                                   | ND     | 0.11     |      | mg/Kg | 1  | 12/14/2023 12:56:00 AM |
| Surr: 4-Bromofluorobenzene                       | 98.1   | 39.1-146 |      | %Rec  | 1  | 12/14/2023 12:56:00 AM |
| <b>EPA METHOD 300.0: ANIONS</b>                  |        |          |      |       |    | Analyst: <b>SNS</b>    |
| Chloride   | ND     | 60       |      | mg/Kg | 20 | 12/13/2023 10:41:20 PM |

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

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

Analytical Report

Lab Order 2312734

Date Reported: 12/28/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Ensolum LLC

Client Sample ID: SE

Project: Line 1003

Collection Date: 12/11/2023 3:51:00 PM

Lab ID: 2312734-004

Matrix: MEOH (SOIL) Received Date: 12/13/2023 7:50:00 AM

| Analyses   | Result | RL       | Qual | Units | DF | Date Analyzed          |
|--|--------|----------|------|-------|----|------------------------|
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    | Analyst: <b>DGH</b>    |
| Diesel Range Organics (DRO)                      | 9.9    | 9.0      |      | mg/Kg | 1  | 12/14/2023 8:07:51 AM  |
| Motor Oil Range Organics (MRO)                   | ND     | 45       |      | mg/Kg | 1  | 12/14/2023 8:07:51 AM  |
| Surr: DNOP                                       | 106    | 69-147   |      | %Rec  | 1  | 12/14/2023 8:07:51 AM  |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |    | Analyst: <b>RAA</b>    |
| Gasoline Range Organics (GRO)                    | ND     | 4.6      |      | mg/Kg | 1  | 12/14/2023 2:02:00 AM  |
| Surr: BFB  | 101    | 15-244   |      | %Rec  | 1  | 12/14/2023 2:02:00 AM  |
| <b>EPA METHOD 8021B: VOLATILES</b>               |        |          |      |       |    | Analyst: <b>RAA</b>    |
| Benzene  | ND     | 0.023    |      | mg/Kg | 1  | 12/14/2023 2:02:00 AM  |
| Toluene  | ND     | 0.046    |      | mg/Kg | 1  | 12/14/2023 2:02:00 AM  |
| Ethylbenzene                                     | ND     | 0.046    |      | mg/Kg | 1  | 12/14/2023 2:02:00 AM  |
| Xylenes, Total                                   | ND     | 0.091    |      | mg/Kg | 1  | 12/14/2023 2:02:00 AM  |
| Surr: 4-Bromofluorobenzene                       | 99.4   | 39.1-146 |      | %Rec  | 1  | 12/14/2023 2:02:00 AM  |
| <b>EPA METHOD 300.0: ANIONS</b>                  |        |          |      |       |    | Analyst: <b>SNS</b>    |
| Chloride   | ND     | 60       |      | mg/Kg | 20 | 12/13/2023 11:18:34 PM |

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

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2312734

28-Dec-23

**Client:** Ensolum LLC

**Project:** Line 1003

| Sample ID: <b>MB-79363</b>   | SampType: <b>MBLK</b>            | TestCode: <b>EPA Method 300.0: Anions</b> |                     |             |      |          |           |      |          |      |
|------------------------------|----------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: <b>PBS</b>        | Batch ID: <b>79363</b>           | RunNo: <b>101822</b>                      |                     |             |      |          |           |      |          |      |
| Prep Date: <b>12/13/2023</b> | Analysis Date: <b>12/13/2023</b> | SeqNo: <b>3754014</b>                     | Units: <b>mg/Kg</b> |             |      |          |           |      |          |      |
| Analyte                      | Result                           | PQL                                       | SPK value           | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride                     | ND                               | 1.5                                       |                     |             |      |          |           |      |          |      |

| Sample ID: <b>LCS-79363</b>  | SampType: <b>LCS</b>             | TestCode: <b>EPA Method 300.0: Anions</b> |                     |             |      |          |           |      |          |      |
|------------------------------|----------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: <b>LCSS</b>       | Batch ID: <b>79363</b>           | RunNo: <b>101822</b>                      |                     |             |      |          |           |      |          |      |
| Prep Date: <b>12/13/2023</b> | Analysis Date: <b>12/13/2023</b> | SeqNo: <b>3754015</b>                     | Units: <b>mg/Kg</b> |             |      |          |           |      |          |      |
| Analyte                      | Result                           | PQL                                       | SPK value           | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride                     | 14                               | 1.5                                       | 15.00               | 0           | 95.3 | 90       | 110       |      |          |      |

| Sample ID: <b>MB-79375</b>   | SampType: <b>MBLK</b>            | TestCode: <b>EPA Method 300.0: Anions</b> |                     |             |      |          |           |      |          |      |
|------------------------------|----------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: <b>PBS</b>        | Batch ID: <b>79375</b>           | RunNo: <b>101822</b>                      |                     |             |      |          |           |      |          |      |
| Prep Date: <b>12/13/2023</b> | Analysis Date: <b>12/14/2023</b> | SeqNo: <b>3754047</b>                     | Units: <b>mg/Kg</b> |             |      |          |           |      |          |      |
| Analyte                      | Result                           | PQL                                       | SPK value           | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride                     | ND                               | 1.5                                       |                     |             |      |          |           |      |          |      |

| Sample ID: <b>LCS-79375</b>  | SampType: <b>LCS</b>             | TestCode: <b>EPA Method 300.0: Anions</b> |                     |             |      |          |           |      |          |      |
|------------------------------|----------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: <b>LCSS</b>       | Batch ID: <b>79375</b>           | RunNo: <b>101822</b>                      |                     |             |      |          |           |      |          |      |
| Prep Date: <b>12/13/2023</b> | Analysis Date: <b>12/14/2023</b> | SeqNo: <b>3754048</b>                     | Units: <b>mg/Kg</b> |             |      |          |           |      |          |      |
| Analyte                      | Result                           | PQL                                       | SPK value           | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride                     | 14                               | 1.5                                       | 15.00               | 0           | 96.3 | 90       | 110       |      |          |      |

**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 Quantitative 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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2312734

28-Dec-23

**Client:** Ensolum LLC

**Project:** Line 1003

| Sample ID: <b>LCS-79345</b>  | SampType: <b>LCS</b>             |     | TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b> |             |                     |          |           |      |          |      |
|------------------------------|----------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: <b>LCSS</b>       | Batch ID: <b>79345</b>           |     | RunNo: <b>101807</b>                                       |             |                     |          |           |      |          |      |
| Prep Date: <b>12/13/2023</b> | Analysis Date: <b>12/13/2023</b> |     | SeqNo: <b>3752755</b>                                      |             | Units: <b>mg/Kg</b> |          |           |      |          |      |
| Analyte                      | Result                           | PQL | SPK value  | SPK Ref Val | %REC                | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO)  | 43                               | 10  | 50.00  | 0           | 85.0                | 61.9     | 130       |      |          |      |
| Surr: DNOP                   | 4.2                              |     | 5.000  |             | 83.8                | 69       | 147       |      |          |      |

| Sample ID: <b>MB-79345</b>     | SampType: <b>MBLK</b>            |     | TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b> |             |                     |          |           |      |          |      |
|--------------------------------|----------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: <b>PBS</b>          | Batch ID: <b>79345</b>           |     | RunNo: <b>101807</b>                                       |             |                     |          |           |      |          |      |
| Prep Date: <b>12/13/2023</b>   | Analysis Date: <b>12/13/2023</b> |     | SeqNo: <b>3752756</b>                                      |             | Units: <b>mg/Kg</b> |          |           |      |          |      |
| Analyte                        | Result                           | PQL | SPK value  | SPK Ref Val | %REC                | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO)    | ND                               | 10  |  |             |                     |          |           |      |          |      |
| Motor Oil Range Organics (MRO) | ND                               | 50  |  |             |                     |          |           |      |          |      |
| Surr: DNOP                     | 8.2                              |     | 10.00  |             | 82.0                | 69       | 147       |      |          |      |

| Sample ID: <b>MB-79324</b>   | SampType: <b>MBLK</b>            |     | TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b> |             |                    |          |           |      |          |      |
|------------------------------|----------------------------------|-----|--|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: <b>PBS</b>        | Batch ID: <b>79324</b>           |     | RunNo: <b>101809</b>                                       |             |                    |          |           |      |          |      |
| Prep Date: <b>12/12/2023</b> | Analysis Date: <b>12/13/2023</b> |     | SeqNo: <b>3752938</b>                                      |             | Units: <b>%Rec</b> |          |           |      |          |      |
| Analyte                      | Result                           | PQL | SPK value  | SPK Ref Val | %REC               | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP                   | 10                               |     | 10.00  |             | 105                | 69       | 147       |      |          |      |

| Sample ID: <b>LCS-79324</b>  | SampType: <b>LCS</b>             |     | TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b> |             |                    |          |           |      |          |      |
|------------------------------|----------------------------------|-----|--|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: <b>LCSS</b>       | Batch ID: <b>79324</b>           |     | RunNo: <b>101809</b>                                       |             |                    |          |           |      |          |      |
| Prep Date: <b>12/12/2023</b> | Analysis Date: <b>12/13/2023</b> |     | SeqNo: <b>3752939</b>                                      |             | Units: <b>%Rec</b> |          |           |      |          |      |
| Analyte                      | Result                           | PQL | SPK value  | SPK Ref Val | %REC               | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP                   | 4.3                              |     | 5.000  |             | 86.5               | 69       | 147       |      |          |      |

| Sample ID: <b>MB-79326</b>   | SampType: <b>MBLK</b>            |     | TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b> |             |                    |          |           |      |          |      |
|------------------------------|----------------------------------|-----|--|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: <b>PBS</b>        | Batch ID: <b>79326</b>           |     | RunNo: <b>101809</b>                                       |             |                    |          |           |      |          |      |
| Prep Date: <b>12/12/2023</b> | Analysis Date: <b>12/13/2023</b> |     | SeqNo: <b>3754791</b>                                      |             | Units: <b>%Rec</b> |          |           |      |          |      |
| Analyte                      | Result                           | PQL | SPK value  | SPK Ref Val | %REC               | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP                   | 8.2                              |     | 10.00  |             | 82.3               | 69       | 147       |      |          |      |

| Sample ID: <b>LCS-79326</b>  | SampType: <b>LCS</b>             |     | TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b> |             |                    |          |           |      |          |      |
|------------------------------|----------------------------------|-----|--|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: <b>LCSS</b>       | Batch ID: <b>79326</b>           |     | RunNo: <b>101809</b>                                       |             |                    |          |           |      |          |      |
| Prep Date: <b>12/12/2023</b> | Analysis Date: <b>12/13/2023</b> |     | SeqNo: <b>3754792</b>                                      |             | Units: <b>%Rec</b> |          |           |      |          |      |
| Analyte                      | Result                           | PQL | SPK value  | SPK Ref Val | %REC               | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP                   | 3.7                              |     | 5.000  |             | 73.1               | 69       | 147       |      |          |      |

**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 Quantitative 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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2312734

28-Dec-23

**Client:** Ensolum LLC  
**Project:** Line 1003

| Sample ID: <b>2.5UG GRO LCS</b> | SampType: <b>LCS</b>             | TestCode: <b>EPA Method 8015D: Gasoline Range</b> |           |             |                     |          |           |      |          |      |
|---------------------------------|----------------------------------|---|-----------|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: <b>LCSS</b>          | Batch ID: <b>GS101798</b>        | RunNo: <b>101798</b>                              |           |             |                     |          |           |      |          |      |
| Prep Date:                      | Analysis Date: <b>12/13/2023</b> | SeqNo: <b>3752235</b>                             |           |             | Units: <b>mg/Kg</b> |          |           |      |          |      |
| Analyte                         | Result                           | PQL   | SPK value | SPK Ref Val | %REC                | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO)   | 23                               | 5.0   | 25.00     | 0           | 93.1                | 70       | 130       |      |          |      |
| Surr: BFB                       | 2100                             |   | 1000      |             | 209                 | 15       | 244       |      |          |      |

| Sample ID: <b>mb</b>          | SampType: <b>MBLK</b>            | TestCode: <b>EPA Method 8015D: Gasoline Range</b> |           |             |                     |          |           |      |          |      |
|-------------------------------|----------------------------------|---|-----------|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: <b>PBS</b>         | Batch ID: <b>GS101798</b>        | RunNo: <b>101798</b>                              |           |             |                     |          |           |      |          |      |
| Prep Date:                    | Analysis Date: <b>12/13/2023</b> | SeqNo: <b>3752237</b>                             |           |             | Units: <b>mg/Kg</b> |          |           |      |          |      |
| Analyte                       | Result                           | PQL   | SPK value | SPK Ref Val | %REC                | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND                               | 5.0   |           |             |                     |          |           |      |          |      |
| Surr: BFB                     | 990                              |   | 1000      |             | 98.8                | 15       | 244       |      |          |      |

| Sample ID: <b>Ics-79309</b>  | SampType: <b>LCS</b>             | TestCode: <b>EPA Method 8015D: Gasoline Range</b> |           |             |                    |          |           |      |          |      |
|------------------------------|----------------------------------|---|-----------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: <b>LCSS</b>       | Batch ID: <b>79309</b>           | RunNo: <b>101820</b>                              |           |             |                    |          |           |      |          |      |
| Prep Date: <b>12/12/2023</b> | Analysis Date: <b>12/13/2023</b> | SeqNo: <b>3753733</b>                             |           |             | Units: <b>%Rec</b> |          |           |      |          |      |
| Analyte                      | Result                           | PQL   | SPK value | SPK Ref Val | %REC               | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: BFB                    | 2100                             |   | 1000      |             | 213                | 15       | 244       |      |          |      |

| Sample ID: <b>mb-79309</b>   | SampType: <b>MBLK</b>            | TestCode: <b>EPA Method 8015D: Gasoline Range</b> |           |             |                    |          |           |      |          |      |
|------------------------------|----------------------------------|---|-----------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: <b>PBS</b>        | Batch ID: <b>79309</b>           | RunNo: <b>101820</b>                              |           |             |                    |          |           |      |          |      |
| Prep Date: <b>12/12/2023</b> | Analysis Date: <b>12/13/2023</b> | SeqNo: <b>3753734</b>                             |           |             | Units: <b>%Rec</b> |          |           |      |          |      |
| Analyte                      | Result                           | PQL   | SPK value | SPK Ref Val | %REC               | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: BFB                    | 1100                             |   | 1000      |             | 106                | 15       | 244       |      |          |      |

| Sample ID: <b>2.5ug gro lcs</b> | SampType: <b>LCS</b>             | TestCode: <b>EPA Method 8015D: Gasoline Range</b> |           |             |                     |          |           |      |          |      |
|---------------------------------|----------------------------------|---|-----------|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: <b>LCSS</b>          | Batch ID: <b>GS101820</b>        | RunNo: <b>101820</b>                              |           |             |                     |          |           |      |          |      |
| Prep Date:                      | Analysis Date: <b>12/13/2023</b> | SeqNo: <b>3753757</b>                             |           |             | Units: <b>mg/Kg</b> |          |           |      |          |      |
| Analyte                         | Result                           | PQL   | SPK value | SPK Ref Val | %REC                | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO)   | 21                               | 5.0   | 25.00     | 0           | 85.0                | 70       | 130       |      |          |      |
| Surr: BFB                       | 2300                             |   | 1000      |             | 227                 | 15       | 244       |      |          |      |

| Sample ID: <b>mb</b>          | SampType: <b>MBLK</b>            | TestCode: <b>EPA Method 8015D: Gasoline Range</b> |           |             |                     |          |           |      |          |      |
|-------------------------------|----------------------------------|---|-----------|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: <b>PBS</b>         | Batch ID: <b>GS101820</b>        | RunNo: <b>101820</b>                              |           |             |                     |          |           |      |          |      |
| Prep Date:                    | Analysis Date: <b>12/13/2023</b> | SeqNo: <b>3753758</b>                             |           |             | Units: <b>mg/Kg</b> |          |           |      |          |      |
| Analyte                       | Result                           | PQL   | SPK value | SPK Ref Val | %REC                | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND                               | 5.0   |           |             |                     |          |           |      |          |      |
| Surr: BFB                     | 1100                             |   | 1000      |             | 105                 | 15       | 244       |      |          |      |

**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 Quantitative 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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2312734

28-Dec-23

**Client:** Ensolum LLC

**Project:** Line 1003

| Sample ID: <b>2312734-002ams</b> | SampType: <b>MS</b>              | TestCode: <b>EPA Method 8015D: Gasoline Range</b> |                     |             |      |          |           |      |          |      |
|----------------------------------|----------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: <b>NW</b>             | Batch ID: <b>GS101820</b>        | RunNo: <b>101820</b>                              |                     |             |      |          |           |      |          |      |
| Prep Date:                       | Analysis Date: <b>12/14/2023</b> | SeqNo: <b>3753760</b>                             | Units: <b>mg/Kg</b> |             |      |          |           |      |          |      |
| Analyte                          | Result                           | PQL   | SPK value           | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO)    | 25                               | 5.9   | 29.31               | 0           | 86.8 | 70       | 130       |      |          |      |
| Surr: BFB                        | 2500                             |   | 1172                |             | 213  | 15       | 244       |      |          |      |

| Sample ID: <b>2312734-002amsd</b> | SampType: <b>MSD</b>             | TestCode: <b>EPA Method 8015D: Gasoline Range</b> |                     |             |      |          |           |      |          |      |
|-----------------------------------|----------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: <b>NW</b>              | Batch ID: <b>GS101820</b>        | RunNo: <b>101820</b>                              |                     |             |      |          |           |      |          |      |
| Prep Date:                        | Analysis Date: <b>12/14/2023</b> | SeqNo: <b>3753761</b>                             | Units: <b>mg/Kg</b> |             |      |          |           |      |          |      |
| Analyte                           | Result                           | PQL   | SPK value           | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO)     | 25                               | 5.9   | 29.31               | 0           | 84.4 | 70       | 130       | 2.85 | 20       |      |
| Surr: BFB                         | 2500                             |   | 1172                |             | 217  | 15       | 244       | 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 Quantitative 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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2312734

28-Dec-23

**Client:** Ensolum LLC  
**Project:** Line 1003

| Sample ID: <b>100NG BTEX LCS</b> | SampType: <b>LCS</b>             | TestCode: <b>EPA Method 8021B: Volatiles</b> |           |             |                     |          |           |      |          |      |
|----------------------------------|----------------------------------|--|-----------|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: <b>LCSS</b>           | Batch ID: <b>BS101798</b>        | RunNo: <b>101798</b>                         |           |             |                     |          |           |      |          |      |
| Prep Date:                       | Analysis Date: <b>12/13/2023</b> | SeqNo: <b>3752248</b>                        |           |             | Units: <b>mg/Kg</b> |          |           |      |          |      |
| Analyte                          | Result                           | PQL  | SPK value | SPK Ref Val | %REC                | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene                          | 0.90                             | 0.025  | 1.000     | 0           | 89.9                | 70       | 130       |      |          |      |
| Toluene                          | 0.92                             | 0.050  | 1.000     | 0           | 91.7                | 70       | 130       |      |          |      |
| Ethylbenzene                     | 0.92                             | 0.050  | 1.000     | 0           | 92.5                | 70       | 130       |      |          |      |
| Xylenes, Total                   | 2.8                              | 0.10   | 3.000     | 0           | 93.1                | 70       | 130       |      |          |      |
| Surr: 4-Bromofluorobenzene       | 1.0                              |  | 1.000     |             | 102                 | 39.1     | 146       |      |          |      |

| Sample ID: <b>mb</b>       | SampType: <b>MBLK</b>            | TestCode: <b>EPA Method 8021B: Volatiles</b> |           |             |                     |          |           |      |          |      |
|----------------------------|----------------------------------|--|-----------|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: <b>PBS</b>      | Batch ID: <b>BS101798</b>        | RunNo: <b>101798</b>                         |           |             |                     |          |           |      |          |      |
| Prep Date:                 | Analysis Date: <b>12/13/2023</b> | SeqNo: <b>3752249</b>                        |           |             | Units: <b>mg/Kg</b> |          |           |      |          |      |
| Analyte                    | Result                           | PQL  | SPK value | SPK Ref Val | %REC                | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene                    | ND                               | 0.025  |           |             |                     |          |           |      |          |      |
| Toluene                    | ND                               | 0.050  |           |             |                     |          |           |      |          |      |
| Ethylbenzene               | ND                               | 0.050  |           |             |                     |          |           |      |          |      |
| Xylenes, Total             | ND                               | 0.10   |           |             |                     |          |           |      |          |      |
| Surr: 4-Bromofluorobenzene | 1.0                              |  | 1.000     |             | 101                 | 39.1     | 146       |      |          |      |

| Sample ID: <b>Ics-79309</b>  | SampType: <b>LCS</b>             | TestCode: <b>EPA Method 8021B: Volatiles</b> |           |             |                    |          |           |      |          |      |
|------------------------------|----------------------------------|--|-----------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: <b>LCSS</b>       | Batch ID: <b>79309</b>           | RunNo: <b>101820</b>                         |           |             |                    |          |           |      |          |      |
| Prep Date: <b>12/12/2023</b> | Analysis Date: <b>12/13/2023</b> | SeqNo: <b>3753933</b>                        |           |             | Units: <b>%Rec</b> |          |           |      |          |      |
| Analyte                      | Result                           | PQL  | SPK value | SPK Ref Val | %REC               | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: 4-Bromofluorobenzene   | 1.0                              |  | 1.000     |             | 105                | 39.1     | 146       |      |          |      |

| Sample ID: <b>mb-79309</b>   | SampType: <b>MBLK</b>            | TestCode: <b>EPA Method 8021B: Volatiles</b> |           |             |                    |          |           |      |          |      |
|------------------------------|----------------------------------|--|-----------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: <b>PBS</b>        | Batch ID: <b>79309</b>           | RunNo: <b>101820</b>                         |           |             |                    |          |           |      |          |      |
| Prep Date: <b>12/12/2023</b> | Analysis Date: <b>12/13/2023</b> | SeqNo: <b>3753935</b>                        |           |             | Units: <b>%Rec</b> |          |           |      |          |      |
| Analyte                      | Result                           | PQL  | SPK value | SPK Ref Val | %REC               | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: 4-Bromofluorobenzene   | 1.0                              |  | 1.000     |             | 100                | 39.1     | 146       |      |          |      |

| Sample ID: <b>100ng btex lcs</b> | SampType: <b>LCS</b>             | TestCode: <b>EPA Method 8021B: Volatiles</b> |           |             |                     |          |           |      |          |      |
|----------------------------------|----------------------------------|--|-----------|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: <b>LCSS</b>           | Batch ID: <b>BS101820</b>        | RunNo: <b>101820</b>                         |           |             |                     |          |           |      |          |      |
| Prep Date:                       | Analysis Date: <b>12/13/2023</b> | SeqNo: <b>3753975</b>                        |           |             | Units: <b>mg/Kg</b> |          |           |      |          |      |
| Analyte                          | Result                           | PQL  | SPK value | SPK Ref Val | %REC                | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene                          | 0.95                             | 0.025  | 1.000     | 0           | 94.6                | 70       | 130       |      |          |      |
| Toluene                          | 0.97                             | 0.050  | 1.000     | 0           | 97.2                | 70       | 130       |      |          |      |
| Ethylbenzene                     | 0.99                             | 0.050  | 1.000     | 0           | 98.9                | 70       | 130       |      |          |      |
| Xylenes, Total                   | 3.0                              | 0.10   | 3.000     | 0           | 99.8                | 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 Quantitative 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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2312734

28-Dec-23

**Client:** Ensolum LLC

**Project:** Line 1003

| Sample ID: <b>100ng btex lcs</b> | SampType: <b>LCS</b>             | TestCode: <b>EPA Method 8021B: Volatiles</b> |           |             |                     |          |           |      |          |      |
|----------------------------------|----------------------------------|--|-----------|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: <b>LCSS</b>           | Batch ID: <b>BS101820</b>        | RunNo: <b>101820</b>                         |           |             |                     |          |           |      |          |      |
| Prep Date:                       | Analysis Date: <b>12/13/2023</b> | SeqNo: <b>3753975</b>                        |           |             | Units: <b>mg/Kg</b> |          |           |      |          |      |
| Analyte                          | Result                           | PQL  | SPK value | SPK Ref Val | %REC                | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: 4-Bromofluorobenzene       | 1.1                              |  | 1.000     |             | 105                 | 39.1     | 146       |      |          |      |

| Sample ID: <b>mb</b>       | SampType: <b>MBLK</b>            | TestCode: <b>EPA Method 8021B: Volatiles</b> |           |             |                     |          |           |      |          |      |
|----------------------------|----------------------------------|--|-----------|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: <b>PBS</b>      | Batch ID: <b>BS101820</b>        | RunNo: <b>101820</b>                         |           |             |                     |          |           |      |          |      |
| Prep Date:                 | Analysis Date: <b>12/13/2023</b> | SeqNo: <b>3753976</b>                        |           |             | Units: <b>mg/Kg</b> |          |           |      |          |      |
| Analyte                    | Result                           | PQL  | SPK value | SPK Ref Val | %REC                | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene                    | ND                               | 0.025  |           |             |                     |          |           |      |          |      |
| Toluene                    | ND                               | 0.050  |           |             |                     |          |           |      |          |      |
| Ethylbenzene               | ND                               | 0.050  |           |             |                     |          |           |      |          |      |
| Xylenes, Total             | ND                               | 0.10   |           |             |                     |          |           |      |          |      |
| Surr: 4-Bromofluorobenzene | 1.1                              |  | 1.000     |             | 105                 | 39.1     | 146       |      |          |      |

| Sample ID: <b>2312734-003ams</b> | SampType: <b>MS</b>              | TestCode: <b>EPA Method 8021B: Volatiles</b> |           |             |                     |          |           |      |          |      |
|----------------------------------|----------------------------------|--|-----------|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: <b>NE</b>             | Batch ID: <b>BS101820</b>        | RunNo: <b>101820</b>                         |           |             |                     |          |           |      |          |      |
| Prep Date:                       | Analysis Date: <b>12/14/2023</b> | SeqNo: <b>3753981</b>                        |           |             | Units: <b>mg/Kg</b> |          |           |      |          |      |
| Analyte                          | Result                           | PQL  | SPK value | SPK Ref Val | %REC                | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene                          | 1.0                              | 0.027  | 1.073     | 0           | 93.8                | 70       | 130       |      |          |      |
| Toluene                          | 1.0                              | 0.054  | 1.073     | 0           | 95.1                | 70       | 130       |      |          |      |
| Ethylbenzene                     | 1.0                              | 0.054  | 1.073     | 0           | 96.3                | 70       | 130       |      |          |      |
| Xylenes, Total                   | 3.1                              | 0.11   | 3.219     | 0           | 97.0                | 70       | 130       |      |          |      |
| Surr: 4-Bromofluorobenzene       | 1.1                              |  | 1.073     |             | 99.7                | 39.1     | 146       |      |          |      |

| Sample ID: <b>2312734-003amsd</b> | SampType: <b>MSD</b>             | TestCode: <b>EPA Method 8021B: Volatiles</b> |           |             |                     |          |           |      |          |      |
|-----------------------------------|----------------------------------|--|-----------|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: <b>NE</b>              | Batch ID: <b>BS101820</b>        | RunNo: <b>101820</b>                         |           |             |                     |          |           |      |          |      |
| Prep Date:                        | Analysis Date: <b>12/14/2023</b> | SeqNo: <b>3753983</b>                        |           |             | Units: <b>mg/Kg</b> |          |           |      |          |      |
| Analyte                           | Result                           | PQL  | SPK value | SPK Ref Val | %REC                | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene                           | 1.0                              | 0.027  | 1.073     | 0           | 96.5                | 70       | 130       | 2.82 | 20       |      |
| Toluene                           | 1.1                              | 0.054  | 1.073     | 0           | 98.3                | 70       | 130       | 3.31 | 20       |      |
| Ethylbenzene                      | 1.1                              | 0.054  | 1.073     | 0           | 99.9                | 70       | 130       | 3.64 | 20       |      |
| Xylenes, Total                    | 3.2                              | 0.11   | 3.219     | 0           | 101                 | 70       | 130       | 3.93 | 20       |      |
| Surr: 4-Bromofluorobenzene        | 1.1                              |  | 1.073     |             | 102                 | 39.1     | 146       | 0    | 0        |      |

**Qualifiers:**

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- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative 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



# Sample Log-In Check List

Client Name: **Ensolum LLC**                      Work Order Number: **2312734**                      RcptNo: **1**

Received By: **Tracy Casarrubias**                      12/13/2023 7:50:00 AM

Completed By: **Tracy Casarrubias**                      12/13/2023 8:52:55 AM

Reviewed By: **mm 12/13/23**

### Chain of Custody

1. Is Chain of Custody complete?                      Yes                       No                       Not Present
2. How was the sample delivered?                      Courier

### Log In

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                       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                       NA
10. Were any sample containers received broken?                      Yes                       No
11. Does paperwork match bottle labels?                      Yes                       No   
(Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody?                      Yes                       No
13. Is it clear what analyses were requested?                      Yes                       No
14. Were all holding times able to be met?                      Yes                       No   
(If no, notify customer for authorization.)

# of preserved bottles checked for pH: \_\_\_\_\_  
(<2 or >12 unless noted)  
Adjusted? \_\_\_\_\_  
Checked by: mm 12/13/23

### Special Handling (if applicable)

15. Was client notified of all discrepancies with this order?                      Yes                       No                       NA

Person Notified: \_\_\_\_\_ Date: \_\_\_\_\_  
By Whom: \_\_\_\_\_ Via:  eMail  Phone  Fax  In Person  
Regarding: \_\_\_\_\_  
Client Instructions: City, state, and zip code on mailing address and clients date and time of relinquishment ar

16. Additional remarks:  
Date and time of client's relinquish signature does not match drivers

### 17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1         | 5.5     | Good      | Yes         | Yogi    |           |           |

**Chain-of-Custody Record**

Client: Ensolum, LLC  
 Mailing Address: 601 N. Marienfeld St. Suite 400  
 Phone #: 214-733-3165  
 email or Fax#: klowery@ensolum.com

QA/QC Package:  
 Standard  Level 4 (Full Validation)  
 Accreditation:  AZ Compliance  Other  
 NELAC  EDD (Type)

Turn-Around Time: 24 hours  
 Standard  Rush  
 Project Name: Line 1003  
 Project #: 03B1226319  
 Project Manager: Kelly Lowery  
 Sampler: SK  
 On Ice:  Yes  No 40g  
 # of Coolers: 1  
 Cooler Temp (including CF): 5.4 to 1.2 5.5

| Date     | Time | Matrix | Sample Name | Depth | Container Type and # | Preservative Type | HEAL No.    |
|----------|------|--------|-------------|-------|----------------------|-------------------|-------------|
| 12/11/23 | 1548 | Soil   | SW          | 0.25' | Jar 1                | Ice               | 2312734 001 |
| 12/11/23 | 1549 | Soil   | NW          | 0.25' | Jar 1                | Ice               | 002         |
| 12/11/23 | 1550 | Soil   | NE          | 0.25' | Jar 1                | Ice               | 003         |
| 12/11/23 | 1551 | Soil   | SE          | 0.25' | Jar 1                | Ice               | 004         |

Date: 12/11/23 Time: 7:00 Relinquished by: [Signature]  
 Date: 12/12/23 Time: 1900 Relinquished by: [Signature]  
 Received by: [Signature] Date: 12/12/23 Time: 7:00  
 Received by: [Signature] Date: 12/13/23 Time: 7:50



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**  
 www.hallenvironmental.com  
 4901 Hawkins NE - Albuquerque, NM 87109  
 Tel. 505-345-3975 Fax 505-345-4107

**Analysis Request**

|                            |                            |                            |                    |                          |               |   |            |                 |                                 |
|----------------------------|----------------------------|----------------------------|--------------------|--------------------------|---------------|---|------------|-----------------|---------------------------------|
| BTEX / MTBE / TMB's (8021) | TPH:8015D(GRO / DRO / MRO) | 8081 Pesticides/8082 PCB's | EDB (Method 504.1) | PAHs by 8310 or 8270SIMS | RCRA 8 Metals | Cl <sup>-</sup> , Br <sup>-</sup> , NO <sub>3</sub> <sup>-</sup> , NO <sub>2</sub> <sup>-</sup> , PO <sub>4</sub> <sup>-</sup> , SO <sub>4</sub> <sup>-</sup> | 8260 (VOA) | 8270 (Semi-VOA) | Total Coliform (Present/Absent) |
| X                          | X                          |                            |                    |                          |               | X   |            |                 |                                 |

Remarks: Bill to: Tom Long  
 Email: tjlong@epord.com  
 Enterprise Field Services, LLC  
 Paykey/AFE/NonAFE: N68035



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

December 28, 2023

Kelly Lowery  
Ensolum LLC  
601 Marrenfield #400  
Midland, TX 79701  
TEL: (214) 733-3165  
FAX:

RE: Line 1003

OrderNo.: 2312735

Dear Kelly Lowery:

Eurofins Environment Testing South Central, LLC received 2 sample(s) on 12/13/2023 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](http://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,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

Analytical Report

Lab Order 2312735

Date Reported: 12/28/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Ensolum LLC

Client Sample ID: W-STK

Project: Line 1003

Collection Date: 12/11/2023 3:42:00 PM

Lab ID: 2312735-001

Matrix: MEOH (SOIL) Received Date: 12/13/2023 7:50:00 AM

| Analyses   | Result | RL       | Qual | Units | DF | Date Analyzed          |
|--|--------|----------|------|-------|----|------------------------|
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    | Analyst: PRD           |
| Diesel Range Organics (DRO)                      | 140    | 8.5      |      | mg/Kg | 1  | 12/15/2023 11:01:30 AM |
| Motor Oil Range Organics (MRO)                   | 120    | 42       |      | mg/Kg | 1  | 12/15/2023 11:01:30 AM |
| Surr: DNOP                                       | 76.4   | 69-147   |      | %Rec  | 1  | 12/15/2023 11:01:30 AM |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |    | Analyst: RAA           |
| Gasoline Range Organics (GRO)                    | ND     | 5.0      |      | mg/Kg | 1  | 12/14/2023 2:24:00 AM  |
| Surr: BFB  | 106    | 15-244   |      | %Rec  | 1  | 12/14/2023 2:24:00 AM  |
| <b>EPA METHOD 8021B: VOLATILES</b>               |        |          |      |       |    | Analyst: RAA           |
| Benzene  | ND     | 0.025    |      | mg/Kg | 1  | 12/14/2023 2:24:00 AM  |
| Toluene  | ND     | 0.050    |      | mg/Kg | 1  | 12/14/2023 2:24:00 AM  |
| Ethylbenzene                                     | ND     | 0.050    |      | mg/Kg | 1  | 12/14/2023 2:24:00 AM  |
| Xylenes, Total                                   | ND     | 0.10     |      | mg/Kg | 1  | 12/14/2023 2:24:00 AM  |
| Surr: 4-Bromofluorobenzene                       | 99.9   | 39.1-146 |      | %Rec  | 1  | 12/14/2023 2:24:00 AM  |
| <b>EPA METHOD 300.0: ANIONS</b>                  |        |          |      |       |    | Analyst: SNS           |
| Chloride   | 170    | 60       |      | mg/Kg | 20 | 12/14/2023 12:20:38 AM |

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

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

**Analytical Report**

Lab Order **2312735**

Date Reported: **12/28/2023**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Ensolum LLC

**Client Sample ID:** E-STK

**Project:** Line 1003

**Collection Date:** 12/11/2023 3:45:00 PM

**Lab ID:** 2312735-002

**Matrix:** MEOH (SOIL)

**Received Date:** 12/13/2023 7:50:00 AM

| Analyses   | Result | RL       | Qual | Units | DF | Date Analyzed          |
|--|--------|----------|------|-------|----|------------------------|
| <b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b> |        |          |      |       |    | Analyst: <b>PRD</b>    |
| Diesel Range Organics (DRO)                      | 500    | 18       |      | mg/Kg | 2  | 12/15/2023 11:26:04 AM |
| Motor Oil Range Organics (MRO)                   | 380    | 92       |      | mg/Kg | 2  | 12/15/2023 11:26:04 AM |
| Surr: DNOP                                       | 93.6   | 69-147   |      | %Rec  | 2  | 12/15/2023 11:26:04 AM |
| <b>EPA METHOD 8015D: GASOLINE RANGE</b>          |        |          |      |       |    | Analyst: <b>RAA</b>    |
| Gasoline Range Organics (GRO)                    | ND     | 3.7      |      | mg/Kg | 1  | 12/14/2023 2:46:00 AM  |
| Surr: BFB  | 103    | 15-244   |      | %Rec  | 1  | 12/14/2023 2:46:00 AM  |
| <b>EPA METHOD 8021B: VOLATILES</b>               |        |          |      |       |    | Analyst: <b>RAA</b>    |
| Benzene  | ND     | 0.019    |      | mg/Kg | 1  | 12/14/2023 2:46:00 AM  |
| Toluene  | ND     | 0.037    |      | mg/Kg | 1  | 12/14/2023 2:46:00 AM  |
| Ethylbenzene                                     | ND     | 0.037    |      | mg/Kg | 1  | 12/14/2023 2:46:00 AM  |
| Xylenes, Total                                   | ND     | 0.075    |      | mg/Kg | 1  | 12/14/2023 2:46:00 AM  |
| Surr: 4-Bromofluorobenzene                       | 99.4   | 39.1-146 |      | %Rec  | 1  | 12/14/2023 2:46:00 AM  |
| <b>EPA METHOD 300.0: ANIONS</b>                  |        |          |      |       |    | Analyst: <b>RBC</b>    |
| Chloride   | 640    | 60       |      | mg/Kg | 20 | 12/14/2023 4:11:06 PM  |

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

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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2312735

28-Dec-23

**Client:** Ensolum LLC

**Project:** Line 1003

| Sample ID: <b>MB-79375</b>   | SampType: <b>MBLK</b>            | TestCode: <b>EPA Method 300.0: Anions</b> |                     |             |      |          |           |      |          |      |
|------------------------------|----------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: <b>PBS</b>        | Batch ID: <b>79375</b>           | RunNo: <b>101822</b>                      |                     |             |      |          |           |      |          |      |
| Prep Date: <b>12/13/2023</b> | Analysis Date: <b>12/14/2023</b> | SeqNo: <b>3754047</b>                     | Units: <b>mg/Kg</b> |             |      |          |           |      |          |      |
| Analyte                      | Result                           | PQL                                       | SPK value           | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride                     | ND                               | 1.5                                       |                     |             |      |          |           |      |          |      |

| Sample ID: <b>LCS-79375</b>  | SampType: <b>LCS</b>             | TestCode: <b>EPA Method 300.0: Anions</b> |                     |             |      |          |           |      |          |      |
|------------------------------|----------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: <b>LCSS</b>       | Batch ID: <b>79375</b>           | RunNo: <b>101822</b>                      |                     |             |      |          |           |      |          |      |
| Prep Date: <b>12/13/2023</b> | Analysis Date: <b>12/14/2023</b> | SeqNo: <b>3754048</b>                     | Units: <b>mg/Kg</b> |             |      |          |           |      |          |      |
| Analyte                      | Result                           | PQL                                       | SPK value           | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride                     | 14                               | 1.5                                       | 15.00               | 0           | 96.3 | 90       | 110       |      |          |      |

| Sample ID: <b>MB-79380</b>   | SampType: <b>MBLK</b>            | TestCode: <b>EPA Method 300.0: Anions</b> |                     |             |      |          |           |      |          |      |
|------------------------------|----------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: <b>PBS</b>        | Batch ID: <b>79380</b>           | RunNo: <b>101858</b>                      |                     |             |      |          |           |      |          |      |
| Prep Date: <b>12/14/2023</b> | Analysis Date: <b>12/14/2023</b> | SeqNo: <b>3755669</b>                     | Units: <b>mg/Kg</b> |             |      |          |           |      |          |      |
| Analyte                      | Result                           | PQL                                       | SPK value           | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride                     | ND                               | 1.5                                       |                     |             |      |          |           |      |          |      |

| Sample ID: <b>LCS-79380</b>  | SampType: <b>LCS</b>             | TestCode: <b>EPA Method 300.0: Anions</b> |                     |             |      |          |           |      |          |      |
|------------------------------|----------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: <b>LCSS</b>       | Batch ID: <b>79380</b>           | RunNo: <b>101858</b>                      |                     |             |      |          |           |      |          |      |
| Prep Date: <b>12/14/2023</b> | Analysis Date: <b>12/14/2023</b> | SeqNo: <b>3755670</b>                     | Units: <b>mg/Kg</b> |             |      |          |           |      |          |      |
| Analyte                      | Result                           | PQL                                       | SPK value           | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride                     | 14                               | 1.5                                       | 15.00               | 0           | 96.1 | 90       | 110       |      |          |      |

**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 Quantitative 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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2312735

28-Dec-23

**Client:** Ensolum LLC

**Project:** Line 1003

| Sample ID: <b>MB-79350</b>     | SampType: <b>MBLK</b>            | TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b> |                     |             |      |          |           |      |          |      |
|--------------------------------|----------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: <b>PBS</b>          | Batch ID: <b>79350</b>           | RunNo: <b>101833</b>                                       |                     |             |      |          |           |      |          |      |
| Prep Date: <b>12/13/2023</b>   | Analysis Date: <b>12/13/2023</b> | SeqNo: <b>3754727</b>                                      | Units: <b>mg/Kg</b> |             |      |          |           |      |          |      |
| Analyte                        | Result                           | PQL  | SPK value           | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO)    | ND                               | 10   |                     |             |      |          |           |      |          |      |
| Motor Oil Range Organics (MRO) | ND                               | 50   |                     |             |      |          |           |      |          |      |
| Surr: DNOP                     | 10                               |  | 10.00               |             | 100  | 69       | 147       |      |          |      |

| Sample ID: <b>LCS-79350</b>  | SampType: <b>LCS</b>             | TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b> |                     |             |      |          |           |      |          |      |
|------------------------------|----------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: <b>LCSS</b>       | Batch ID: <b>79350</b>           | RunNo: <b>101833</b>                                       |                     |             |      |          |           |      |          |      |
| Prep Date: <b>12/13/2023</b> | Analysis Date: <b>12/13/2023</b> | SeqNo: <b>3754728</b>                                      | Units: <b>mg/Kg</b> |             |      |          |           |      |          |      |
| Analyte                      | Result                           | PQL  | SPK value           | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO)  | 49                               | 10   | 50.00               | 0           | 97.5 | 61.9     | 130       |      |          |      |
| Surr: DNOP                   | 4.5                              |  | 5.000               |             | 90.9 | 69       | 147       |      |          |      |

**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 Quantitative 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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2312735

28-Dec-23

**Client:** Ensolum LLC

**Project:** Line 1003

| Sample ID: <b>ics-79309</b>  | SampType: <b>LCS</b>             |     | TestCode: <b>EPA Method 8015D: Gasoline Range</b> |             |                    |          |           |      |          |      |
|------------------------------|----------------------------------|-----|---|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: <b>LCSS</b>       | Batch ID: <b>79309</b>           |     | RunNo: <b>101820</b>                              |             |                    |          |           |      |          |      |
| Prep Date: <b>12/12/2023</b> | Analysis Date: <b>12/13/2023</b> |     | SeqNo: <b>3753733</b>                             |             | Units: <b>%Rec</b> |          |           |      |          |      |
| Analyte                      | Result                           | PQL | SPK value   | SPK Ref Val | %REC               | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: BFB                    | 2100                             |     | 1000  |             | 213                | 15       | 244       |      |          |      |

| Sample ID: <b>mb-79309</b>   | SampType: <b>MBLK</b>            |     | TestCode: <b>EPA Method 8015D: Gasoline Range</b> |             |                    |          |           |      |          |      |
|------------------------------|----------------------------------|-----|---|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: <b>PBS</b>        | Batch ID: <b>79309</b>           |     | RunNo: <b>101820</b>                              |             |                    |          |           |      |          |      |
| Prep Date: <b>12/12/2023</b> | Analysis Date: <b>12/13/2023</b> |     | SeqNo: <b>3753734</b>                             |             | Units: <b>%Rec</b> |          |           |      |          |      |
| Analyte                      | Result                           | PQL | SPK value   | SPK Ref Val | %REC               | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: BFB                    | 1100                             |     | 1000  |             | 106                | 15       | 244       |      |          |      |

| Sample ID: <b>2.5ug gro ics</b> | SampType: <b>LCS</b>             |     | TestCode: <b>EPA Method 8015D: Gasoline Range</b> |             |                     |          |           |      |          |      |
|---------------------------------|----------------------------------|-----|---|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: <b>LCSS</b>          | Batch ID: <b>GS101820</b>        |     | RunNo: <b>101820</b>                              |             |                     |          |           |      |          |      |
| Prep Date:                      | Analysis Date: <b>12/13/2023</b> |     | SeqNo: <b>3753757</b>                             |             | Units: <b>mg/Kg</b> |          |           |      |          |      |
| Analyte                         | Result                           | PQL | SPK value   | SPK Ref Val | %REC                | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO)   | 21                               | 5.0 | 25.00   | 0           | 85.0                | 70       | 130       |      |          |      |
| Surr: BFB                       | 2300                             |     | 1000  |             | 227                 | 15       | 244       |      |          |      |

| Sample ID: <b>mb</b>          | SampType: <b>MBLK</b>            |     | TestCode: <b>EPA Method 8015D: Gasoline Range</b> |             |                     |          |           |      |          |      |
|-------------------------------|----------------------------------|-----|---|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: <b>PBS</b>         | Batch ID: <b>GS101820</b>        |     | RunNo: <b>101820</b>                              |             |                     |          |           |      |          |      |
| Prep Date:                    | Analysis Date: <b>12/13/2023</b> |     | SeqNo: <b>3753758</b>                             |             | Units: <b>mg/Kg</b> |          |           |      |          |      |
| Analyte                       | Result                           | PQL | SPK value   | SPK Ref Val | %REC                | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND                               | 5.0 |   |             |                     |          |           |      |          |      |
| Surr: BFB                     | 1100                             |     | 1000  |             | 105                 | 15       | 244       |      |          |      |

**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 Quantitative 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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2312735

28-Dec-23

**Client:** Ensolum LLC

**Project:** Line 1003

| Sample ID: <b>ics-79309</b>  | SampType: <b>LCS</b>             | TestCode: <b>EPA Method 8021B: Volatiles</b> |                    |             |      |          |           |      |          |      |
|------------------------------|----------------------------------|--|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: <b>LCSS</b>       | Batch ID: <b>79309</b>           | RunNo: <b>101820</b>                         |                    |             |      |          |           |      |          |      |
| Prep Date: <b>12/12/2023</b> | Analysis Date: <b>12/13/2023</b> | SeqNo: <b>3753933</b>                        | Units: <b>%Rec</b> |             |      |          |           |      |          |      |
| Analyte                      | Result                           | PQL  | SPK value          | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: 4-Bromofluorobenzene   | 1.0                              |  | 1.000              |             | 105  | 39.1     | 146       |      |          |      |

| Sample ID: <b>mb-79309</b>   | SampType: <b>MBLK</b>            | TestCode: <b>EPA Method 8021B: Volatiles</b> |                    |             |      |          |           |      |          |      |
|------------------------------|----------------------------------|--|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: <b>PBS</b>        | Batch ID: <b>79309</b>           | RunNo: <b>101820</b>                         |                    |             |      |          |           |      |          |      |
| Prep Date: <b>12/12/2023</b> | Analysis Date: <b>12/13/2023</b> | SeqNo: <b>3753935</b>                        | Units: <b>%Rec</b> |             |      |          |           |      |          |      |
| Analyte                      | Result                           | PQL  | SPK value          | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: 4-Bromofluorobenzene   | 1.0                              |  | 1.000              |             | 100  | 39.1     | 146       |      |          |      |

| Sample ID: <b>100ng btex lcs</b> | SampType: <b>LCS</b>             | TestCode: <b>EPA Method 8021B: Volatiles</b> |                     |             |      |          |           |      |          |      |
|----------------------------------|----------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: <b>LCSS</b>           | Batch ID: <b>BS101820</b>        | RunNo: <b>101820</b>                         |                     |             |      |          |           |      |          |      |
| Prep Date:                       | Analysis Date: <b>12/13/2023</b> | SeqNo: <b>3753975</b>                        | Units: <b>mg/Kg</b> |             |      |          |           |      |          |      |
| Analyte                          | Result                           | PQL  | SPK value           | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene                          | 0.95                             | 0.025  | 1.000               | 0           | 94.6 | 70       | 130       |      |          |      |
| Toluene                          | 0.97                             | 0.050  | 1.000               | 0           | 97.2 | 70       | 130       |      |          |      |
| Ethylbenzene                     | 0.99                             | 0.050  | 1.000               | 0           | 98.9 | 70       | 130       |      |          |      |
| Xylenes, Total                   | 3.0                              | 0.10   | 3.000               | 0           | 99.8 | 70       | 130       |      |          |      |
| Surr: 4-Bromofluorobenzene       | 1.1                              |  | 1.000               |             | 105  | 39.1     | 146       |      |          |      |

| Sample ID: <b>mb</b>       | SampType: <b>MBLK</b>            | TestCode: <b>EPA Method 8021B: Volatiles</b> |                     |             |      |          |           |      |          |      |
|----------------------------|----------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: <b>PBS</b>      | Batch ID: <b>BS101820</b>        | RunNo: <b>101820</b>                         |                     |             |      |          |           |      |          |      |
| Prep Date:                 | Analysis Date: <b>12/13/2023</b> | SeqNo: <b>3753976</b>                        | Units: <b>mg/Kg</b> |             |      |          |           |      |          |      |
| Analyte                    | Result                           | PQL  | SPK value           | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene                    | ND                               | 0.025  |                     |             |      |          |           |      |          |      |
| Toluene                    | ND                               | 0.050  |                     |             |      |          |           |      |          |      |
| Ethylbenzene               | ND                               | 0.050  |                     |             |      |          |           |      |          |      |
| Xylenes, Total             | ND                               | 0.10   |                     |             |      |          |           |      |          |      |
| Surr: 4-Bromofluorobenzene | 1.1                              |  | 1.000               |             | 105  | 39.1     | 146       |      |          |      |

**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 Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
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- P Sample pH Not In Range
- RL Reporting Limit



Environment Testin

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 LLC** Work Order Number: **2312735** RcptNo: **1**

Received By: **Tracy Casarrubias** 12/13/2023 7:50:00 AM

Completed By: **Tracy Casarrubias** 12/13/2023 8:58:11 AM

Reviewed By: *JW 12/13/23*

### Chain of Custody

1. Is Chain of Custody complete? Yes  No  Not Present
2. How was the sample delivered? Courier

### Log In

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  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  NA
10. Were any sample containers received broken? Yes  No
11. Does paperwork match bottle labels? Yes  No   
(Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody? Yes  No
13. Is it clear what analyses were requested? Yes  No
14. Were all holding times able to be met? Yes  No   
(If no, notify customer for authorization.)

# of preserved bottles checked for pH: \_\_\_\_\_  
(<2 or >12 unless noted)

Adjusted? \_\_\_\_\_

Checked by: *JW 12/13/23*

### Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes  No  NA

Person Notified: \_\_\_\_\_ Date: \_\_\_\_\_

By Whom: \_\_\_\_\_ Via:  eMail  Phone  Fax  In Person

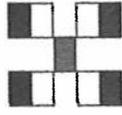
Regarding: \_\_\_\_\_

Client Instructions: City, state, and zip code on mailing address and clients date and time of relinquishment ar

16. Additional remarks:  
Date and time of client's relinquish signature does not match drivers

### 17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1         | 5.5     | Good      | Yes         | Yogi    |           |           |



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Turn-Around Time: 24 hours

Standard  Rush

Project Name: Line 1003

Project #: 03B1226319

Client: Ensolum, LLC

Mailing Address: 601 N. Marienfeld St. Suite 400

Phone #: 214-733-3165

email or Fax#: klowery@ensolum.com

QA/QC Package:  Standard  Level 4 (Full Validation)

Accreditation:  AZ Compliance  NELAC  Other

EDD (Type)

Project Manager: Kelly Lowery

Sampler: SEE SK

On Ice:  Yes  No 40g

# of Coolers: 1

Cooler Temp (including CF): 5.4 to 1.7 S.S.

Container Type and #

Preservative Type

HEAL No. 2312735

Soil 1 ice 001

Soil 1 ice 002

| Analysis Request   |                                     |
|--|-------------------------------------|
| BTX / MTBE / TMB's (8021)  | <input checked="" type="checkbox"/> |
| TPH:8015D(GRO / DRO / MRO)   | <input checked="" type="checkbox"/> |
| 8081 Pesticides/8082 PCB's   | <input type="checkbox"/>            |
| EDB (Method 504.1)   | <input type="checkbox"/>            |
| PAHs by 8310 or 8270SIMS   | <input type="checkbox"/>            |
| RCRA 8 Metals  | <input checked="" type="checkbox"/> |
| Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> | <input checked="" type="checkbox"/> |
| 8260 (VOA)   | <input type="checkbox"/>            |
| 8270 (Semi-VOA)  | <input type="checkbox"/>            |
| Total Coliform (Present/Absent)  | <input type="checkbox"/>            |

Received by: [Signature] Date: 12/13/23 Time: 7:00

Received by: [Signature] Date: 12/13/23 Time: 7:50

Relinquished by: [Signature] Date: 12/13/23 Time: 1900

Relinquished by: [Signature] Date: 12/13/23 Time: 1900

Remarks: Bill to: Tom Long  
Email: tjlong@epord.com  
Enterprise Field Services, LLC

Paykey/AFE/NonAFE: N68035

If necessary, samples submitted to Hall Environmental may 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.



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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March 21, 2024

KELLY LOWERY  
ENSOLUM, LLC  
705 W WADLEY AVE.  
MIDLAND, TX 79705

RE: LINE 1003

Enclosed are the results of analyses for samples received by the laboratory on 03/20/24 15:46.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

|                  |                              |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5)     |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3)  |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene  
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ENSOLUM, LLC  
 KELLY LOWERY  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

|                   |            |                     |                 |
|-------------------|------------|---------------------|-----------------|
| Received:         | 03/20/2024 | Sampling Date:      | 03/20/2024      |
| Reported:         | 03/21/2024 | Sampling Type:      | Soil            |
| Project Name:     | LINE 1003  | Sampling Condition: | Cool & Intact   |
| Project Number:   | 03B1226319 | Sample Received By: | Dionica Hinojos |
| Project Location: | NONE GIVEN |                     |                 |

**Sample ID: SW 06 0-9' (H241463-01)**

| TPH 8015M                  |             | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|----------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte                    | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                | <10.0       | 10.0            | 03/21/2024 | ND              | 219 | 109        | 200           | 7.55 |           |
| <b>DRO &gt;C10-C28*</b>    | <b>56.8</b> | 10.0            | 03/21/2024 | ND              | 234 | 117        | 200           | 8.53 |           |
| <b>EXT DRO &gt;C28-C36</b> | <b>10.3</b> | 10.0            | 03/21/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.9 % 49.1-148

**Sample ID: SW 06 9-18' (H241463-02)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 03/21/2024 | ND              | 2.04 | 102        | 2.00          | 8.44 |           |
| Toluene*       | <0.050 | 0.050           | 03/21/2024 | ND              | 2.03 | 102        | 2.00          | 8.86 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 03/21/2024 | ND              | 1.99 | 99.3       | 2.00          | 8.98 |           |
| Total Xylenes* | <0.150 | 0.150           | 03/21/2024 | ND              | 6.05 | 101        | 6.00          | 8.03 |           |
| Total BTEX     | <0.300 | 0.300           | 03/21/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

| Chloride, SM4500Cl-B |            | mg/kg           |            | Analyzed By: CT |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>608</b> | 16.0            | 03/21/2024 | ND              | 432 | 108        | 400           | 7.14 |           |

| TPH 8015M |        | mg/kg           |          | Analyzed By: MS |    |            |               |     |           |
|-----------|--------|-----------------|----------|-----------------|----|------------|---------------|-----|-----------|
| Analyte   | Result | Reporting Limit | Analyzed | Method Blank    | BS | % Recovery | True Value QC | RPD | Qualifier |
|           |        |                 |          |                 |    |            |               |     |           |

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ENSOLUM, LLC  
 KELLY LOWERY  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

|                   |            |                     |                 |
|-------------------|------------|---------------------|-----------------|
| Received:         | 03/20/2024 | Sampling Date:      | 03/20/2024      |
| Reported:         | 03/21/2024 | Sampling Type:      | Soil            |
| Project Name:     | LINE 1003  | Sampling Condition: | Cool & Intact   |
| Project Number:   | 03B1226319 | Sample Received By: | Dionica Hinojos |
| Project Location: | NONE GIVEN |                     |                 |

**Sample ID: SW 06 9-18' (H241463-02)**

| TPH 8015M                            |        | mg/kg           |                 | Analyzed By: MS |     |            |               |      |           |
|--------------------------------------|--------|-----------------|-----------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 03/21/2024      | ND              | 219 | 109        | 200           | 7.55 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 03/21/2024      | ND              | 234 | 117        | 200           | 8.53 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 03/21/2024      | ND              |     |            |               |      |           |
| <i>Surrogate: 1-Chlorooctane</i>     |        | <i>85.4 %</i>   | <i>48.2-134</i> |                 |     |            |               |      |           |
| <i>Surrogate: 1-Chlorooctadecane</i> |        | <i>88.6 %</i>   | <i>49.1-148</i> |                 |     |            |               |      |           |

**Sample ID: FS 01 18' (H241463-03)**

| Chloride, SM4500CI-B                 |             | mg/kg           |                 | Analyzed By: CT |     |            |               |      |           |
|--------------------------------------|-------------|-----------------|-----------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte                              | Result      | Reporting Limit | Analyzed        | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>                      | <b>1020</b> | 16.0            | 03/21/2024      | ND              | 432 | 108        | 400           | 7.14 |           |
| TPH 8015M                            |             | mg/kg           |                 | Analyzed By: MS |     |            |               |      |           |
| Analyte                              | Result      | Reporting Limit | Analyzed        | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0       | 10.0            | 03/21/2024      | ND              | 219 | 109        | 200           | 7.55 |           |
| DRO >C10-C28*                        | <10.0       | 10.0            | 03/21/2024      | ND              | 234 | 117        | 200           | 8.53 |           |
| EXT DRO >C28-C36                     | <10.0       | 10.0            | 03/21/2024      | ND              |     |            |               |      |           |
| <i>Surrogate: 1-Chlorooctane</i>     |             | <i>102 %</i>    | <i>48.2-134</i> |                 |     |            |               |      |           |
| <i>Surrogate: 1-Chlorooctadecane</i> |             | <i>104 %</i>    | <i>49.1-148</i> |                 |     |            |               |      |           |

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 KELLY LOWERY  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

|                   |            |                     |                 |
|-------------------|------------|---------------------|-----------------|
| Received:         | 03/20/2024 | Sampling Date:      | 03/20/2024      |
| Reported:         | 03/21/2024 | Sampling Type:      | Soil            |
| Project Name:     | LINE 1003  | Sampling Condition: | Cool & Intact   |
| Project Number:   | 03B1226319 | Sample Received By: | Dionica Hinojos |
| Project Location: | NONE GIVEN |                     |                 |

**Sample ID: FS 02 18' (H241463-04)**

| Chloride, SM4500CI-B |            | mg/kg           |            | Analyzed By: CT |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>704</b> | 16.0            | 03/21/2024 | ND              | 432 | 108        | 400           | 7.14 |           |

**Sample ID: FS 03 18' (H241463-05)**

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 03/21/2024 | ND              | 219 | 109        | 200           | 7.55 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 03/21/2024 | ND              | 234 | 117        | 200           | 8.53 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 03/21/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

**Sample ID: FS 04 18' (H241463-06)**

| Chloride, SM4500CI-B |            | mg/kg           |            | Analyzed By: CT |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>640</b> | 16.0            | 03/21/2024 | ND              | 432 | 108        | 400           | 7.14 |           |

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 KELLY LOWERY  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

|                   |            |                     |                 |
|-------------------|------------|---------------------|-----------------|
| Received:         | 03/20/2024 | Sampling Date:      | 03/20/2024      |
| Reported:         | 03/21/2024 | Sampling Type:      | Soil            |
| Project Name:     | LINE 1003  | Sampling Condition: | Cool & Intact   |
| Project Number:   | 03B1226319 | Sample Received By: | Dionica Hinojos |
| Project Location: | NONE GIVEN |                     |                 |

**Sample ID: FS 05 18' (H241463-07)**

**Chloride, SM4500Cl-B** **mg/kg** **Analyzed By: HM**

| Analyte         | Result     | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
|-----------------|------------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| <b>Chloride</b> | <b>928</b> | 16.0            | 03/21/2024 | ND           | 432 | 108        | 400           | 3.64 | QM-07     |

**TPH 8015M** **mg/kg** **Analyzed By: MS**

| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
|------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| GRO C6-C10*      | <10.0  | 10.0            | 03/21/2024 | ND           | 219 | 109        | 200           | 7.55 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 03/21/2024 | ND           | 234 | 117        | 200           | 8.53 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 03/21/2024 | ND           |     |            |               |      |           |

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 KELLY LOWERY  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

|                   |            |                     |                 |
|-------------------|------------|---------------------|-----------------|
| Received:         | 03/20/2024 | Sampling Date:      | 03/20/2024      |
| Reported:         | 03/21/2024 | Sampling Type:      | Soil            |
| Project Name:     | LINE 1003  | Sampling Condition: | Cool & Intact   |
| Project Number:   | 03B1226319 | Sample Received By: | Dionica Hinojos |
| Project Location: | NONE GIVEN |                     |                 |

**Sample ID: STOCKPILE 1 (H241463-08)**

| BTEX 8021B            |              | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|-----------------------|--------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte               | Result       | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*              | <0.050       | 0.050           | 03/21/2024 | ND              | 2.04 | 102        | 2.00          | 8.44 |           |
| Toluene*              | <0.050       | 0.050           | 03/21/2024 | ND              | 2.03 | 102        | 2.00          | 8.86 |           |
| <b>Ethylbenzene*</b>  | <b>0.050</b> | 0.050           | 03/21/2024 | ND              | 1.99 | 99.3       | 2.00          | 8.98 |           |
| <b>Total Xylenes*</b> | <b>0.550</b> | 0.150           | 03/21/2024 | ND              | 6.05 | 101        | 6.00          | 8.03 |           |
| <b>Total BTEX</b>     | <b>0.600</b> | 0.300           | 03/21/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

| Chloride, SM4500CI-B |            | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>752</b> | 16.0            | 03/21/2024 | ND              | 432 | 108        | 400           | 3.64 |           |

| TPH 8015M               |             | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|-------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte                 | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*             | <10.0       | 10.0            | 03/21/2024 | ND              | 219 | 109        | 200           | 7.55 |           |
| <b>DRO &gt;C10-C28*</b> | <b>47.4</b> | 10.0            | 03/21/2024 | ND              | 234 | 117        | 200           | 8.53 |           |
| EXT DRO >C28-C36        | <10.0       | 10.0            | 03/21/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 99.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 KELLY LOWERY  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

|                   |            |                     |                 |
|-------------------|------------|---------------------|-----------------|
| Received:         | 03/20/2024 | Sampling Date:      | 03/20/2024      |
| Reported:         | 03/21/2024 | Sampling Type:      | Soil            |
| Project Name:     | LINE 1003  | Sampling Condition: | Cool & Intact   |
| Project Number:   | 03B1226319 | Sample Received By: | Dionica Hinojos |
| Project Location: | NONE GIVEN |                     |                 |

**Sample ID: STOCKPILE 2 (H241463-09)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 03/21/2024 | ND              | 2.04 | 102        | 2.00          | 8.44 |           |
| Toluene*       | <0.050 | 0.050           | 03/21/2024 | ND              | 2.03 | 102        | 2.00          | 8.86 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 03/21/2024 | ND              | 1.99 | 99.3       | 2.00          | 8.98 |           |
| Total Xylenes* | <0.150 | 0.150           | 03/21/2024 | ND              | 6.05 | 101        | 6.00          | 8.03 |           |
| Total BTEX     | <0.300 | 0.300           | 03/21/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

| Chloride, SM4500CI-B |            | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>592</b> | 16.0            | 03/21/2024 | ND              | 432 | 108        | 400           | 3.64 |           |

| TPH 8015M                  |             | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|----------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte                    | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                | <10.0       | 10.0            | 03/21/2024 | ND              | 219 | 109        | 200           | 7.55 |           |
| <b>DRO &gt;C10-C28*</b>    | <b>314</b>  | 10.0            | 03/21/2024 | ND              | 234 | 117        | 200           | 8.53 |           |
| <b>EXT DRO &gt;C28-C36</b> | <b>85.4</b> | 10.0            | 03/21/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 99.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.2 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 KELLY LOWERY  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

|                   |            |                     |                 |
|-------------------|------------|---------------------|-----------------|
| Received:         | 03/20/2024 | Sampling Date:      | 03/20/2024      |
| Reported:         | 03/21/2024 | Sampling Type:      | Soil            |
| Project Name:     | LINE 1003  | Sampling Condition: | Cool & Intact   |
| Project Number:   | 03B1226319 | Sample Received By: | Dionica Hinojos |
| Project Location: | NONE GIVEN |                     |                 |

**Sample ID: NE (H241463-10)**

| TPH 8015M                     | mg/kg  |                 | Analyzed By: MS |              |     |            |               |      |           |
|-------------------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte                       | Result | Reporting Limit | Analyzed        | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                   | <10.0  | 10.0            | 03/21/2024      | ND           | 219 | 109        | 200           | 7.55 |           |
| DRO >C10-C28*                 | <10.0  | 10.0            | 03/21/2024      | ND           | 234 | 117        | 200           | 8.53 |           |
| EXT DRO >C28-C36              | <10.0  | 10.0            | 03/21/2024      | ND           |     |            |               |      |           |
| <hr/>                         |        |                 |                 |              |     |            |               |      |           |
| Surrogate: 1-Chlorooctane     | 79.3 % | 48.2-134        |                 |              |     |            |               |      |           |
| Surrogate: 1-Chlorooctadecane | 77.8 % | 49.1-148        |                 |              |     |            |               |      |           |

**Sample ID: SW 01 0-9' (H241463-11)**

| Chloride, SM4500Cl-B | mg/kg      |                 | Analyzed By: HM |              |     |            |               |      |           |
|----------------------|------------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed        | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>512</b> | 16.0            | 03/21/2024      | ND           | 432 | 108        | 400           | 3.64 |           |

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ENSOLUM, LLC  
 KELLY LOWERY  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

|                   |            |                     |                 |
|-------------------|------------|---------------------|-----------------|
| Received:         | 03/20/2024 | Sampling Date:      | 03/20/2024      |
| Reported:         | 03/21/2024 | Sampling Type:      | Soil            |
| Project Name:     | LINE 1003  | Sampling Condition: | Cool & Intact   |
| Project Number:   | 03B1226319 | Sample Received By: | Dionica Hinojos |
| Project Location: | NONE GIVEN |                     |                 |

**Sample ID: SW 01 9-18' (H241463-12)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 03/21/2024 | ND              | 2.04 | 102        | 2.00          | 8.44 |           |
| Toluene*       | <0.050 | 0.050           | 03/21/2024 | ND              | 2.03 | 102        | 2.00          | 8.86 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 03/21/2024 | ND              | 1.99 | 99.3       | 2.00          | 8.98 |           |
| Total Xylenes* | <0.150 | 0.150           | 03/21/2024 | ND              | 6.05 | 101        | 6.00          | 8.03 |           |
| Total BTEX     | <0.300 | 0.300           | 03/21/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

| Chloride, SM4500CI-B |             | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>1280</b> | 16.0            | 03/21/2024 | ND              | 432 | 108        | 400           | 3.64 |           |

| TPH 8015M                  |             | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|----------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte                    | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                | <10.0       | 10.0            | 03/21/2024 | ND              | 219 | 109        | 200           | 7.55 |           |
| <b>DRO &gt;C10-C28*</b>    | <b>134</b>  | 10.0            | 03/21/2024 | ND              | 234 | 117        | 200           | 8.53 |           |
| <b>EXT DRO &gt;C28-C36</b> | <b>25.3</b> | 10.0            | 03/21/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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**Analytical Results For:**

ENSOLUM, LLC  
 KELLY LOWERY  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 03/20/2024  
 Reported: 03/21/2024  
 Project Name: LINE 1003  
 Project Number: 03B1226319  
 Project Location: NONE GIVEN

Sampling Date: 03/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: SW 02 0-9' (H241463-13)**

| Chloride, SM4500Cl-B       |             | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |      |
|----------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|------|
| Analyte                    | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |      |
| <b>Chloride</b>            | <b>656</b>  | 16.0            | 03/21/2024 | ND              | 432 | 108        | 400           | 3.64 |           |      |
| TPH 8015M                  |             | mg/kg           |            | Analyzed By: MS |     |            |               |      |           | S-04 |
| Analyte                    | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |      |
| <b>GRO C6-C10*</b>         | <b>914</b>  | 10.0            | 03/21/2024 | ND              | 219 | 109        | 200           | 7.55 |           |      |
| <b>DRO &gt;C10-C28*</b>    | <b>4790</b> | 10.0            | 03/21/2024 | ND              | 234 | 117        | 200           | 8.53 |           |      |
| <b>EXT DRO &gt;C28-C36</b> | <b>866</b>  | 10.0            | 03/21/2024 | ND              |     |            |               |      |           |      |

Surrogate: 1-Chlorooctane 183 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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**Analytical Results For:**

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 KELLY LOWERY  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

|                   |            |                     |                 |
|-------------------|------------|---------------------|-----------------|
| Received:         | 03/20/2024 | Sampling Date:      | 03/20/2024      |
| Reported:         | 03/21/2024 | Sampling Type:      | Soil            |
| Project Name:     | LINE 1003  | Sampling Condition: | Cool & Intact   |
| Project Number:   | 03B1226319 | Sample Received By: | Dionica Hinojos |
| Project Location: | NONE GIVEN |                     |                 |

**Sample ID: SW 02 9-18' (H241463-14)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 03/21/2024 | ND              | 1.70 | 84.9       | 2.00          | 12.6 |           |
| Toluene*       | <0.050 | 0.050           | 03/21/2024 | ND              | 1.83 | 91.3       | 2.00          | 10.3 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 03/21/2024 | ND              | 1.80 | 90.0       | 2.00          | 10.2 |           |
| Total Xylenes* | <0.150 | 0.150           | 03/21/2024 | ND              | 5.46 | 91.1       | 6.00          | 9.87 |           |
| Total BTEX     | <0.300 | 0.300           | 03/21/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

| Chloride, SM4500CI-B |             | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>1490</b> | 16.0            | 03/21/2024 | ND              | 432 | 108        | 400           | 3.64 |           |

| TPH 8015M                  |             | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|----------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte                    | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                | <10.0       | 10.0            | 03/21/2024 | ND              | 219 | 109        | 200           | 7.55 |           |
| DRO >C10-C28*              | <10.0       | 10.0            | 03/21/2024 | ND              | 234 | 117        | 200           | 8.53 |           |
| <b>EXT DRO &gt;C28-C36</b> | <b>12.0</b> | 10.0            | 03/21/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 90.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.4 % 49.1-148

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**Analytical Results For:**

ENSOLUM, LLC  
 KELLY LOWERY  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 03/20/2024  
 Reported: 03/21/2024  
 Project Name: LINE 1003  
 Project Number: 03B1226319  
 Project Location: NONE GIVEN

Sampling Date: 03/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: SW 03 0-9' (H241463-15)**

| Chloride, SM4500Cl-B |             | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>2160</b> | 16.0            | 03/21/2024 | ND              | 432 | 108        | 400           | 3.64 |           |

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**Analytical Results For:**

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 KELLY LOWERY  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

|                   |            |                     |                 |
|-------------------|------------|---------------------|-----------------|
| Received:         | 03/20/2024 | Sampling Date:      | 03/20/2024      |
| Reported:         | 03/21/2024 | Sampling Type:      | Soil            |
| Project Name:     | LINE 1003  | Sampling Condition: | Cool & Intact   |
| Project Number:   | 03B1226319 | Sample Received By: | Dionica Hinojos |
| Project Location: | NONE GIVEN |                     |                 |

**Sample ID: SW 03 9-18' (H241463-16)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 03/21/2024 | ND              | 1.70 | 84.9       | 2.00          | 12.6 |           |
| Toluene*       | <0.050 | 0.050           | 03/21/2024 | ND              | 1.83 | 91.3       | 2.00          | 10.3 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 03/21/2024 | ND              | 1.80 | 90.0       | 2.00          | 10.2 |           |
| Total Xylenes* | <0.150 | 0.150           | 03/21/2024 | ND              | 5.46 | 91.1       | 6.00          | 9.87 |           |
| Total BTEX     | <0.300 | 0.300           | 03/21/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 800    | 16.0            | 03/21/2024 | ND              | 432 | 108        | 400           | 3.64 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 03/21/2024 | ND              | 219 | 109        | 200           | 7.55 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 03/21/2024 | ND              | 234 | 117        | 200           | 8.53 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 03/21/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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**Analytical Results For:**

ENSOLUM, LLC  
 KELLY LOWERY  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

|                   |            |                     |                 |
|-------------------|------------|---------------------|-----------------|
| Received:         | 03/20/2024 | Sampling Date:      | 03/20/2024      |
| Reported:         | 03/21/2024 | Sampling Type:      | Soil            |
| Project Name:     | LINE 1003  | Sampling Condition: | Cool & Intact   |
| Project Number:   | 03B1226319 | Sample Received By: | Dionica Hinojos |
| Project Location: | NONE GIVEN |                     |                 |

**Sample ID: SW 04 9-18' (H241463-17)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 03/21/2024 | ND              | 1.70 | 84.9       | 2.00          | 12.6 |           |
| Toluene*       | <0.050 | 0.050           | 03/21/2024 | ND              | 1.83 | 91.3       | 2.00          | 10.3 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 03/21/2024 | ND              | 1.80 | 90.0       | 2.00          | 10.2 |           |
| Total Xylenes* | <0.150 | 0.150           | 03/21/2024 | ND              | 5.46 | 91.1       | 6.00          | 9.87 |           |
| Total BTEX     | <0.300 | 0.300           | 03/21/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 944    | 16.0            | 03/21/2024 | ND              | 432 | 108        | 400           | 3.64 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: ms |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 03/21/2024 | ND              | 231 | 115        | 200           | 11.1 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 03/21/2024 | ND              | 210 | 105        | 200           | 13.3 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 03/21/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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**Analytical Results For:**

ENSOLUM, LLC  
 KELLY LOWERY  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

|                   |            |                     |                 |
|-------------------|------------|---------------------|-----------------|
| Received:         | 03/20/2024 | Sampling Date:      | 03/20/2024      |
| Reported:         | 03/21/2024 | Sampling Type:      | Soil            |
| Project Name:     | LINE 1003  | Sampling Condition: | Cool & Intact   |
| Project Number:   | 03B1226319 | Sample Received By: | Dionica Hinojos |
| Project Location: | NONE GIVEN |                     |                 |

**Sample ID: SW 05 9-18' (H241463-18)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 03/21/2024 | ND              | 1.70 | 84.9       | 2.00          | 12.6 |           |
| Toluene*       | <0.050 | 0.050           | 03/21/2024 | ND              | 1.83 | 91.3       | 2.00          | 10.3 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 03/21/2024 | ND              | 1.80 | 90.0       | 2.00          | 10.2 |           |
| Total Xylenes* | <0.150 | 0.150           | 03/21/2024 | ND              | 5.46 | 91.1       | 6.00          | 9.87 |           |
| Total BTEX     | <0.300 | 0.300           | 03/21/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 480    | 16.0            | 03/21/2024 | ND              | 432 | 108        | 400           | 3.64 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: ms |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 03/21/2024 | ND              | 231 | 115        | 200           | 11.1 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 03/21/2024 | ND              | 210 | 105        | 200           | 13.3 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 03/21/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ENSOLUM, LLC  
 KELLY LOWERY  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

|                   |            |                     |                 |
|-------------------|------------|---------------------|-----------------|
| Received:         | 03/20/2024 | Sampling Date:      | 03/20/2024      |
| Reported:         | 03/21/2024 | Sampling Type:      | Soil            |
| Project Name:     | LINE 1003  | Sampling Condition: | Cool & Intact   |
| Project Number:   | 03B1226319 | Sample Received By: | Dionica Hinojos |
| Project Location: | NONE GIVEN |                     |                 |

**Sample ID: NW (H241463-19)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 03/21/2024 | ND              | 1.70 | 84.9       | 2.00          | 12.6 |           |
| Toluene*       | <0.050 | 0.050           | 03/21/2024 | ND              | 1.83 | 91.3       | 2.00          | 10.3 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 03/21/2024 | ND              | 1.80 | 90.0       | 2.00          | 10.2 |           |
| Total Xylenes* | <0.150 | 0.150           | 03/21/2024 | ND              | 5.46 | 91.1       | 6.00          | 9.87 |           |
| Total BTEX     | <0.300 | 0.300           | 03/21/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 7060   | 16.0            | 03/21/2024 | ND              | 432 | 108        | 400           | 3.64 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: ms |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 03/21/2024 | ND              | 231 | 115        | 200           | 11.1 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 03/21/2024 | ND              | 210 | 105        | 200           | 13.3 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 03/21/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager







CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
 (575) 393-2326 FAX (575) 393-2476

|   |   |  |              |                |   |   |                               |                         |  |                    |          |
|---|---|--|--------------|----------------|---|---|-------------------------------|-------------------------|--|--------------------|----------|
| Company Name: Ensolum, LLC<br>Project Manager: Kelly Lowery<br>Address: 601 N. Marland St. STE 400<br>City: Midland State: TX Zip: 79701<br>Phone #: 214-733-3165 Email: klowery@ensolum.com<br>Project #: 02B22639 Project Owner:<br>Project Name: WINE (003)<br>Project Location:<br>Sampler Name: SK |   |  |              | <b>BILL TO</b> |   |   |                               | <b>ANALYSIS REQUEST</b> |  |                    |          |
| P.O. #: _____ Company: _____<br>Address: _____ City: _____<br>State: _____ Zip: _____<br>Phone #: _____ Email: _____  |   |  |              |                |   |   |                               |                         |  |                    |          |
| Lab I.D. <b>H241463</b><br>Sample I.D. <b>19</b><br>Sample Depth (feet)   | (G)RAB OR (C)OMP.<br># CONTAINERS<br>GROUNDWATER<br>WASTEWATER<br>SOIL<br>OIL<br>SLUDGE<br>OTHER: | MATRIX<br>ACID/BASE:<br>ICE/COOL<br>OTHER: | DATE<br>TIME | DATE<br>TIME   | REMARKS: <b>BTEX</b><br><b>DPH</b><br><b>chloride</b> | Standard <input type="checkbox"/> Observed <input type="checkbox"/> | Backs (only) Sample Condition | Add'l Phone #:          | Yes <input type="checkbox"/> No <input type="checkbox"/> | Corrected Temp. °C |          |
|   |   |  |              |                |   |   |                               |                         |  |                    | Preserv. |
| <b>Relinquished By:</b> <i>[Signature]</i> Date: <b>3:20 PM</b> Received By: <i>[Signature]</i> Date: <b>15:46</b>  |   |  |              |                |   |   |                               |                         |  |                    |          |
| <b>Delivered By:</b> (Circle One) <input type="checkbox"/> UPS <input type="checkbox"/> Bus <input type="checkbox"/> Other: <input type="checkbox"/> <b>#140</b>  |   |  |              |                |   |   |                               |                         |  |                    |          |
| Observed Temp. °C <b>25.00</b> Corrected Temp. °C <b>25.00</b>  |   |  |              |                |   |   |                               |                         |  |                    |          |
| Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/>  |   |  |              |                |   |   |                               |                         |  |                    |          |
| CHECKED BY: (Initials) <i>[Signature]</i>   |   |  |              |                |   |   |                               |                         |  |                    |          |
| Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> All Results are emailed. Please provide Email address: <i>[Signature]</i>  |   |  |              |                |   |   |                               |                         |  |                    |          |
| REMARKS: <b>Paykey/AFCOMMATE</b><br><b>24 hours</b><br><b>N63491</b>  |   |  |              |                |   |   |                               |                         |  |                    |          |

FORM-006 R.3.2 10/07/21

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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March 25, 2024

KELLY LOWERY  
ENSOLUM, LLC  
705 W WADLEY AVE.  
MIDLAND, TX 79705

RE: LINE 1003

Enclosed are the results of analyses for samples received by the laboratory on 03/22/24 11:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

|                  |                              |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5)     |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3)  |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene  
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ENSOLUM, LLC  
 KELLY LOWERY  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

|                   |            |                     |                |
|-------------------|------------|---------------------|----------------|
| Received:         | 03/22/2024 | Sampling Date:      | 03/21/2024     |
| Reported:         | 03/25/2024 | Sampling Type:      | Soil           |
| Project Name:     | LINE 1003  | Sampling Condition: | Cool & Intact  |
| Project Number:   | 03B1226319 | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN |                     |                |

**Sample ID: BS 01 18' (H241508-01)**

| Chloride, SM4500Cl-B |             | mg/kg           |            | Analyzed By: CT |     |            |               |      |           |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>1470</b> | 16.0            | 03/25/2024 | ND              | 464 | 116        | 400           | 3.51 |           |

**Sample ID: BS 02 18' (H241508-02)**

| Chloride, SM4500Cl-B |             | mg/kg           |            | Analyzed By: CT |     |            |               |      |           |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>1280</b> | 16.0            | 03/25/2024 | ND              | 464 | 116        | 400           | 3.51 |           |

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Notes and Definitions**

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

Company Name: Ensolum, LLC

Project Manager: Kelly Lowery

Address: 601 N. Marland St. STE 400

City: Midland State: TX Zip: 79701

Phone #: 214-733-3165 Email: Klowery@ensolum.com

Project #: 03B1226319 Project Owner:

Project Name: Line 10B3

Project Location:

Sampler Name: SK

FOR LAB USE ONLY

Lab I.D. Sample I.D.

Sample Depth (feet)

HER1508

1 BSA

2 BSA

3 NFE

4 NFE

5 NFE

6 NFE

7 NFE

8 NFE

9 NFE

10 NFE

11 NFE

12 NFE

13 NFE

14 NFE

15 NFE

16 NFE

17 NFE

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

April 04, 2024

KELLY LOWERY  
ENSOLUM, LLC  
705 W WADLEY AVE.  
MIDLAND, TX 79705

RE: LINE 1003

Enclosed are the results of analyses for samples received by the laboratory on 03/22/24 11:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

|                  |                              |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5)     |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3)  |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene  
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ENSOLUM, LLC  
 KELLY LOWERY  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

|                   |            |                     |                |
|-------------------|------------|---------------------|----------------|
| Received:         | 03/22/2024 | Sampling Date:      | 03/21/2024     |
| Reported:         | 04/04/2024 | Sampling Type:      | Soil           |
| Project Name:     | LINE 1003  | Sampling Condition: | Cool & Intact  |
| Project Number:   | 03B1226319 | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN |                     |                |

**Sample ID: BS 01 2' (H241510-01)**

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: CT |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 32.0   | 16.0            | 04/03/2024 | ND              | 432 | 108        | 400           | 3.64 |           |

**Sample ID: BS 01 4' (H241510-02)**

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: CT |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 48.0   | 16.0            | 04/03/2024 | ND              | 432 | 108        | 400           | 3.64 |           |

**Sample ID: BS 01 6' (H241510-03)**

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: CT |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 160    | 16.0            | 04/03/2024 | ND              | 432 | 108        | 400           | 3.64 |           |

**Sample ID: BS 01 8' (H241510-04)**

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: CT |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 816    | 16.0            | 04/03/2024 | ND              | 432 | 108        | 400           | 3.64 |           |

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ENSOLUM, LLC  
 KELLY LOWERY  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

|                   |            |                     |                |
|-------------------|------------|---------------------|----------------|
| Received:         | 03/22/2024 | Sampling Date:      | 03/21/2024     |
| Reported:         | 04/04/2024 | Sampling Type:      | Soil           |
| Project Name:     | LINE 1003  | Sampling Condition: | Cool & Intact  |
| Project Number:   | 03B1226319 | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN |                     |                |

**Sample ID: BS 01 10' (H241510-05)**

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: CT |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 1060   | 16.0            | 04/03/2024 | ND              | 432 | 108        | 400           | 3.64 |           |

**Sample ID: BS 01 12' (H241510-06)**

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: CT |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 1490   | 16.0            | 04/03/2024 | ND              | 432 | 108        | 400           | 3.64 |           |

**Sample ID: BS 01 14' (H241510-07)**

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: CT |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 2080   | 16.0            | 04/03/2024 | ND              | 432 | 108        | 400           | 3.64 |           |

**Sample ID: BS 01 16' (H241510-08)**

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 1360   | 16.0            | 04/03/2024 | ND              | 432 | 108        | 400           | 3.77 |           |

**Sample ID: BS 02 2' (H241510-09)**

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 112    | 16.0            | 04/03/2024 | ND              | 432 | 108        | 400           | 3.77 |           |

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ENSOLUM, LLC  
 KELLY LOWERY  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

|                   |            |                     |                |
|-------------------|------------|---------------------|----------------|
| Received:         | 03/22/2024 | Sampling Date:      | 03/21/2024     |
| Reported:         | 04/04/2024 | Sampling Type:      | Soil           |
| Project Name:     | LINE 1003  | Sampling Condition: | Cool & Intact  |
| Project Number:   | 03B1226319 | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN |                     |                |

**Sample ID: BS 02 4' (H241510-10)**

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 1010   | 16.0            | 04/03/2024 | ND              | 432 | 108        | 400           | 3.77 |           |

**Sample ID: BS 02 6' (H241510-11)**

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 944    | 16.0            | 04/03/2024 | ND              | 432 | 108        | 400           | 3.77 |           |

**Sample ID: BS 02 8' (H241510-12)**

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 1220   | 16.0            | 04/03/2024 | ND              | 432 | 108        | 400           | 3.77 |           |

**Sample ID: BS 02 10' (H241510-13)**

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 1730   | 16.0            | 04/03/2024 | ND              | 432 | 108        | 400           | 3.77 |           |

**Sample ID: BS 02 12' (H241510-14)**

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 2270   | 16.0            | 04/03/2024 | ND              | 432 | 108        | 400           | 3.77 |           |

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ENSOLUM, LLC  
 KELLY LOWERY  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

|                   |            |                     |                |
|-------------------|------------|---------------------|----------------|
| Received:         | 03/22/2024 | Sampling Date:      | 03/21/2024     |
| Reported:         | 04/04/2024 | Sampling Type:      | Soil           |
| Project Name:     | LINE 1003  | Sampling Condition: | Cool & Intact  |
| Project Number:   | 03B1226319 | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN |                     |                |

**Sample ID: BS 02 14' (H241510-15)**

| Chloride, SM4500CI-B |             | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>1650</b> | 16.0            | 04/03/2024 | ND              | 432 | 108        | 400           | 3.77 |           |

**Sample ID: BS 02 16' (H241510-16)**

| Chloride, SM4500CI-B |            | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>672</b> | 16.0            | 04/03/2024 | ND              | 432 | 108        | 400           | 3.77 |           |

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Celey D. Keene, Lab Director/Quality Manager



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**Notes and Definitions**

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager





CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

Company Name: Ensolum, LLC

BILL TO

ANALYSIS REQUEST

Project Manager: Kelly Lowery  
 Address: 601 N. Marland St. STE 400  
 City: Midland State: TX Zip: 79701  
 Phone #: 214-733-3165 Email: klowery@ensolum.com  
 Project #: 03B1776319 Project Owner:  
 Project Name: Line 1003  
 Project Location:  
 Sampler Name: SK  
 P.O. #: Company:  
 City: Address:  
 State: Zip:  
 Phone #: Email:

| Lab I.D. | Sample I.D. | Sample Depth (feet) | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX      |            |      |     |        |                    |            | PRESERV. | SAMPLING DATE | TIME                 | Other |
|----------|-------------|---------------------|-------------------|--------------|-------------|------------|------|-----|--------|--------------------|------------|----------|---------------|----------------------|-------|
|          |             |                     |                   |              | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : ACID/BASE: | ICE / COOL |          |               |                      |       |
| H241510  | B502        | 2                   | G                 | 1            |             |            |      |     |        |                    |            | 3/21/24  | 1206          | X Chloride (4500 CI) |       |
| 10       |             | 4                   | G                 | 1            |             |            |      |     |        |                    |            | 3/21/24  | 1201          |                      |       |
| 11       |             | 6                   | G                 | 1            |             |            |      |     |        |                    |            | 3/21/24  | 1212          |                      |       |
| 12       |             | 8                   | G                 | 1            |             |            |      |     |        |                    |            | 3/21/24  | 1214          |                      |       |
| 13       |             | 10                  | G                 | 1            |             |            |      |     |        |                    |            | 3/21/24  | 1219          |                      |       |
| 14       |             | 12                  | G                 | 1            |             |            |      |     |        |                    |            | 3/21/24  | 1223          |                      |       |
| 15       |             | 14                  | G                 | 1            |             |            |      |     |        |                    |            | 3/21/24  | 1256          |                      |       |
| 16       |             | 16                  | G                 | 1            |             |            |      |     |        |                    |            | 3/21/24  | 1256          |                      |       |

Held Removed 4/2/24 to on a 2 Day Push!

Relinquished By: [Signature] Date: 3/22/24 Received By: [Signature] Date: 3/22/24

Delivered By: (Circle One) Sampler - UPS - Bus - Other: [X] Observed Temp. °C: 4.4 Corrected Temp. °C: [ ]

Sample Condition: Cool [X] Impact [ ] No [ ] No [ ]

Checked By: [Signature] (Initials)

Remarks: Paykey/AFE/NonAFE: [ ]

Thermometer ID: #1140 Correction Factor: -0.03

Standard [ ] Nonstandard [ ]

Additional Phone #: N63481 HOLD

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

FORM-006 R 3.2 10/07/21



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

April 17, 2024

KELLY LOWERY  
ENSOLUM, LLC  
705 W WADLEY AVE.  
MIDLAND, TX 79705

RE: LINE 1003

Enclosed are the results of analyses for samples received by the laboratory on 04/16/24 11:09.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

|                  |                              |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5)     |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3)  |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene  
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ENSOLUM, LLC  
 KELLY LOWERY  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

|                   |            |                     |                |
|-------------------|------------|---------------------|----------------|
| Received:         | 04/16/2024 | Sampling Date:      | 04/16/2024     |
| Reported:         | 04/17/2024 | Sampling Type:      | Soil           |
| Project Name:     | LINE 1003  | Sampling Condition: | Cool & Intact  |
| Project Number:   | 03B1226319 | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN |                     |                |

**Sample ID: SW 01 9-18' (H241990-01)**

| TPH 8015M                     | mg/kg  | Analyzed By: MS |            |              |     |            |               |      |           |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte                       | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                   | <10.0  | 10.0            | 04/17/2024 | ND           | 184 | 91.8       | 200           | 2.86 |           |
| DRO >C10-C28*                 | <10.0  | 10.0            | 04/17/2024 | ND           | 197 | 98.5       | 200           | 4.12 |           |
| EXT DRO >C28-C36              | <10.0  | 10.0            | 04/17/2024 | ND           |     |            |               |      |           |
| <hr/>                         |        |                 |            |              |     |            |               |      |           |
| Surrogate: 1-Chlorooctane     | 105 %  | 48.2-134        |            |              |     |            |               |      |           |
| Surrogate: 1-Chlorooctadecane | 122 %  | 49.1-148        |            |              |     |            |               |      |           |

**Sample ID: SW 02 0-9' (H241990-02)**

| TPH 8015M                     | mg/kg       | Analyzed By: MS |            |              |     |            |               |      |           | S-04 |
|-------------------------------|-------------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|------|
| Analyte                       | Result      | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |      |
| <b>GRO C6-C10*</b>            | <b>1010</b> | 10.0            | 04/16/2024 | ND           | 184 | 91.8       | 200           | 2.86 |           |      |
| <b>DRO &gt;C10-C28*</b>       | <b>8130</b> | 10.0            | 04/16/2024 | ND           | 197 | 98.5       | 200           | 4.12 |           |      |
| <b>EXT DRO &gt;C28-C36</b>    | <b>1460</b> | 10.0            | 04/16/2024 | ND           |     |            |               |      |           |      |
| <hr/>                         |             |                 |            |              |     |            |               |      |           |      |
| Surrogate: 1-Chlorooctane     | 191 %       | 48.2-134        |            |              |     |            |               |      |           |      |
| Surrogate: 1-Chlorooctadecane | 138 %       | 49.1-148        |            |              |     |            |               |      |           |      |

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

\*=Accredited Analyte

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager





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---

April 17, 2024

KELLY LOWERY  
ENSOLUM, LLC  
705 W WADLEY AVE.  
MIDLAND, TX 79705

RE: LINE 1003

Enclosed are the results of analyses for samples received by the laboratory on 04/16/24 11:09.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

|                  |                              |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5)     |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3)  |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene  
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ENSOLUM, LLC  
 KELLY LOWERY  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 04/16/2024  
 Reported: 04/17/2024  
 Project Name: LINE 1003  
 Project Number: 03B1226319  
 Project Location: NONE GIVEN

Sampling Date: 04/16/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S 0.25' (H241989-01)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 04/16/2024 | ND              | 2.07 | 103        | 2.00          | 0.662 |           |
| Toluene*       | <0.050 | 0.050           | 04/16/2024 | ND              | 2.09 | 104        | 2.00          | 1.16  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 04/16/2024 | ND              | 2.04 | 102        | 2.00          | 1.35  |           |
| Total Xylenes* | <0.150 | 0.150           | 04/16/2024 | ND              | 6.20 | 103        | 6.00          | 1.20  |           |
| Total BTEX     | <0.300 | 0.300           | 04/16/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

| Chloride, SM4500Cl-B |            | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>240</b> | 16.0            | 04/17/2024 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M                  |            | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|----------------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte                    | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                | <10.0      | 10.0            | 04/16/2024 | ND              | 184 | 91.8       | 200           | 2.86 |           |
| <b>DRO &gt;C10-C28*</b>    | <b>554</b> | 10.0            | 04/16/2024 | ND              | 197 | 98.5       | 200           | 4.12 | QM-07     |
| <b>EXT DRO &gt;C28-C36</b> | <b>351</b> | 10.0            | 04/16/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 KELLY LOWERY  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

|                   |            |                     |                |
|-------------------|------------|---------------------|----------------|
| Received:         | 04/16/2024 | Sampling Date:      | 04/16/2024     |
| Reported:         | 04/17/2024 | Sampling Type:      | Soil           |
| Project Name:     | LINE 1003  | Sampling Condition: | Cool & Intact  |
| Project Number:   | 03B1226319 | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN |                     |                |

**Sample ID: E 02 0.25' (H241989-02)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 04/16/2024 | ND              | 2.07 | 103        | 2.00          | 0.662 |           |
| Toluene*       | <0.050 | 0.050           | 04/16/2024 | ND              | 2.09 | 104        | 2.00          | 1.16  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 04/16/2024 | ND              | 2.04 | 102        | 2.00          | 1.35  |           |
| Total Xylenes* | <0.150 | 0.150           | 04/16/2024 | ND              | 6.20 | 103        | 6.00          | 1.20  |           |
| Total BTEX     | <0.300 | 0.300           | 04/16/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

| Chloride, SM4500CI-B |            | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>336</b> | 16.0            | 04/17/2024 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M                  |             | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|----------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte                    | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                | <10.0       | 10.0            | 04/16/2024 | ND              | 184 | 91.8       | 200           | 2.86 |           |
| <b>DRO &gt;C10-C28*</b>    | <b>1090</b> | 10.0            | 04/16/2024 | ND              | 197 | 98.5       | 200           | 4.12 |           |
| <b>EXT DRO &gt;C28-C36</b> | <b>276</b>  | 10.0            | 04/16/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 90.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ENSOLUM, LLC  
 KELLY LOWERY  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

|                   |            |                     |                |
|-------------------|------------|---------------------|----------------|
| Received:         | 04/16/2024 | Sampling Date:      | 04/16/2024     |
| Reported:         | 04/17/2024 | Sampling Type:      | Soil           |
| Project Name:     | LINE 1003  | Sampling Condition: | Cool & Intact  |
| Project Number:   | 03B1226319 | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN |                     |                |

**Sample ID: E 01 0.25' (H241989-03)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 04/16/2024 | ND              | 2.07 | 103        | 2.00          | 0.662 |           |
| Toluene*       | <0.050 | 0.050           | 04/16/2024 | ND              | 2.09 | 104        | 2.00          | 1.16  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 04/16/2024 | ND              | 2.04 | 102        | 2.00          | 1.35  |           |
| Total Xylenes* | <0.150 | 0.150           | 04/16/2024 | ND              | 6.20 | 103        | 6.00          | 1.20  |           |
| Total BTEX     | <0.300 | 0.300           | 04/16/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

| Chloride, SM4500CI-B |            | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>144</b> | 16.0            | 04/17/2024 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M                  |             | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|----------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte                    | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                | <10.0       | 10.0            | 04/16/2024 | ND              | 184 | 91.8       | 200           | 2.86 |           |
| <b>DRO &gt;C10-C28*</b>    | <b>172</b>  | 10.0            | 04/16/2024 | ND              | 197 | 98.5       | 200           | 4.12 |           |
| <b>EXT DRO &gt;C28-C36</b> | <b>75.2</b> | 10.0            | 04/16/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 KELLY LOWERY  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

|                   |            |                     |                |
|-------------------|------------|---------------------|----------------|
| Received:         | 04/16/2024 | Sampling Date:      | 04/16/2024     |
| Reported:         | 04/17/2024 | Sampling Type:      | Soil           |
| Project Name:     | LINE 1003  | Sampling Condition: | Cool & Intact  |
| Project Number:   | 03B1226319 | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN |                     |                |

**Sample ID: N 0.25' (H241989-04)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 04/16/2024 | ND              | 2.07 | 103        | 2.00          | 0.662 |           |
| Toluene*       | <0.050 | 0.050           | 04/16/2024 | ND              | 2.09 | 104        | 2.00          | 1.16  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 04/16/2024 | ND              | 2.04 | 102        | 2.00          | 1.35  |           |
| Total Xylenes* | <0.150 | 0.150           | 04/16/2024 | ND              | 6.20 | 103        | 6.00          | 1.20  |           |
| Total BTEX     | <0.300 | 0.300           | 04/16/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

| Chloride, SM4500CI-B |             | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>96.0</b> | 16.0            | 04/17/2024 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M                  |            | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|----------------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte                    | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                | <10.0      | 10.0            | 04/16/2024 | ND              | 184 | 91.8       | 200           | 2.86 |           |
| <b>DRO &gt;C10-C28*</b>    | <b>292</b> | 10.0            | 04/16/2024 | ND              | 197 | 98.5       | 200           | 4.12 |           |
| <b>EXT DRO &gt;C28-C36</b> | <b>112</b> | 10.0            | 04/16/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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**Analytical Results For:**

ENSOLUM, LLC  
 KELLY LOWERY  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

|                   |            |                     |                |
|-------------------|------------|---------------------|----------------|
| Received:         | 04/16/2024 | Sampling Date:      | 04/16/2024     |
| Reported:         | 04/17/2024 | Sampling Type:      | Soil           |
| Project Name:     | LINE 1003  | Sampling Condition: | Cool & Intact  |
| Project Number:   | 03B1226319 | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN |                     |                |

**Sample ID: W 01 0.25' (H241989-05)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 04/16/2024 | ND              | 2.07 | 103        | 2.00          | 0.662 |           |
| Toluene*       | <0.050 | 0.050           | 04/16/2024 | ND              | 2.09 | 104        | 2.00          | 1.16  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 04/16/2024 | ND              | 2.04 | 102        | 2.00          | 1.35  |           |
| Total Xylenes* | <0.150 | 0.150           | 04/16/2024 | ND              | 6.20 | 103        | 6.00          | 1.20  |           |
| Total BTEX     | <0.300 | 0.300           | 04/16/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

| Chloride, SM4500CI-B |            | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>704</b> | 16.0            | 04/17/2024 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M                  |             | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|----------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte                    | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                | <10.0       | 10.0            | 04/16/2024 | ND              | 184 | 91.8       | 200           | 2.86 |           |
| <b>DRO &gt;C10-C28*</b>    | <b>4870</b> | 10.0            | 04/16/2024 | ND              | 197 | 98.5       | 200           | 4.12 |           |
| <b>EXT DRO &gt;C28-C36</b> | <b>1120</b> | 10.0            | 04/16/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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**Analytical Results For:**

ENSOLUM, LLC  
 KELLY LOWERY  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

|                   |            |                     |                |
|-------------------|------------|---------------------|----------------|
| Received:         | 04/16/2024 | Sampling Date:      | 04/16/2024     |
| Reported:         | 04/17/2024 | Sampling Type:      | Soil           |
| Project Name:     | LINE 1003  | Sampling Condition: | Cool & Intact  |
| Project Number:   | 03B1226319 | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN |                     |                |

**Sample ID: W 02 0.25' (H241989-06)**

| BTEX 8021B            |              | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|-----------------------|--------------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte               | Result       | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*              | <0.050       | 0.050           | 04/16/2024 | ND              | 2.07 | 103        | 2.00          | 0.662 |           |
| Toluene*              | <0.050       | 0.050           | 04/16/2024 | ND              | 2.09 | 104        | 2.00          | 1.16  |           |
| Ethylbenzene*         | <0.050       | 0.050           | 04/16/2024 | ND              | 2.04 | 102        | 2.00          | 1.35  |           |
| <b>Total Xylenes*</b> | <b>0.363</b> | 0.150           | 04/16/2024 | ND              | 6.20 | 103        | 6.00          | 1.20  |           |
| <b>Total BTEX</b>     | <b>0.363</b> | 0.300           | 04/16/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

| Chloride, SM4500Cl-B |            | mg/kg           |            | Analyzed By: CT |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>336</b> | 16.0            | 04/17/2024 | ND              | 448 | 112        | 400           | 3.51 |           |

| TPH 8015M                  |             | mg/kg           |            | Analyzed By: MS |     |            |               |      |           | S-04 |
|----------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|------|
| Analyte                    | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |      |
| <b>GRO C6-C10*</b>         | <b>65.8</b> | 10.0            | 04/16/2024 | ND              | 184 | 91.8       | 200           | 2.86 |           |      |
| <b>DRO &gt;C10-C28*</b>    | <b>6170</b> | 10.0            | 04/16/2024 | ND              | 197 | 98.5       | 200           | 4.12 |           |      |
| <b>EXT DRO &gt;C28-C36</b> | <b>1310</b> | 10.0            | 04/16/2024 | ND              |     |            |               |      |           |      |

Surrogate: 1-Chlorooctane 134 % 48.2-134

Surrogate: 1-Chlorooctadecane 149 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 KELLY LOWERY  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 04/16/2024  
 Reported: 04/17/2024  
 Project Name: LINE 1003  
 Project Number: 03B1226319  
 Project Location: NONE GIVEN

Sampling Date: 04/16/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: NW 0.25' (H241989-07)**

**Chloride, SM4500Cl-B**

**mg/kg**

**Analyzed By: CT**

| Analyte         | Result     | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
|-----------------|------------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| <b>Chloride</b> | <b>160</b> | 16.0            | 04/17/2024 | ND           | 448 | 112        | 400           | 3.51 |           |

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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

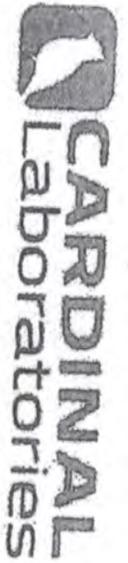
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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240  
 (575) 393-2326 FAX (575) 393-2476  
 Company Name: Ensolum, LLC

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

|   |  |                      |  |         |  |                  |  |
|---|--|----------------------|--|---------|--|------------------|--|
| Project Manager: Kelly Leary            |  | P.O. #               |  | BILL TO |  | ANALYSIS REQUEST |  |
| Address: 601 N. Marienfeld St. STE 400B |  | Company:             |  |         |  |                  |  |
| City: Midland                           |  | State: TX Zip: 79701 |  |         |  |                  |  |
| Phone #: 214-733-345                    |  | Fax #:               |  |         |  |                  |  |
| Project #: 83B1226319                   |  | Project Owner:       |  |         |  |                  |  |
| Project Name: Line 1003                 |  | City:                |  |         |  |                  |  |
| Project Location:                       |  | State:               |  |         |  |                  |  |
| Sampler Name: Kaoru Shimoda             |  | Phone #:             |  |         |  |                  |  |
| FOR LAB USE ONLY                        |  | Fax #:               |  |         |  |                  |  |

| Lab I.D. | Sample I.D. | Depth (feet) | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX      |            |      |     |        |         |            | DATE    | TIME | BTEX | TPH | Chloride |
|----------|-------------|--------------|-------------------|--------------|-------------|------------|------|-----|--------|---------|------------|---------|------|------|-----|----------|
|          |             |              |                   |              | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | ACID/BASE: |         |      |      |     |          |
| H241989  | S           | 0.25         | G                 | 1            | X           |            |      |     |        |         |            | 9/16/24 | 642  | X    | X   | X        |
|          | E-02        | 7            | G                 | 1            |             |            |      |     |        |         |            | 9/16/24 | 644  | X    | X   | X        |
|          | ED1         | 7            | G                 | 1            |             |            |      |     |        |         |            | 9/16/24 | 649  | X    | X   | X        |
|          | N           | 7            | G                 | 1            |             |            |      |     |        |         |            | 9/16/24 | 652  | X    | X   | X        |
|          | W01         | 7            | G                 | 1            |             |            |      |     |        |         |            | 9/16/24 | 654  | X    | X   | X        |
|          | W02         | 7            | G                 | 1            |             |            |      |     |        |         |            | 9/16/24 | 656  | X    | X   | X        |
|          | NW          | 0.25         | G                 | 1            |             |            |      |     |        |         |            | 9/16/24 | 656  | X    | X   | X        |
|          | N           | 7            | G                 | 1            |             |            |      |     |        |         |            | 9/16/24 | 656  | X    | X   | X        |

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Relinquished By: Kaoru Shimoda  
 Date: 9-16-24  
 Time: 11:09

Received By: [Signature]  
 Date: 9-16-24  
 Time: 11:09

Delivered By: (Circle One)  
 Sampler - UPS - Bus - Other:  Bus

Observed Temp. °C: 31  
 Corrected Temp. °C: [Blank]

Sample Conditions:  
 Cool Inlet:  Yes  No  
 Cool Inlet:  Yes  No

Checked By: [Signature]

Turnaround Time: 24 hours  
 Standard Flush:  Yes  No  
 Bacteria (only) Sample Condition:  Yes  No  
 Cool Inlet:  Yes  No  
 Corrected Temp. °C: 109 AFE: N63481

Remarks: 24 hours  
 All Records are emailed. Please provide Email address:  
 Klover@ensolum.com

† Cardinal cannot accept verbal changes. Please email changes to caley.keene@cardinallabsnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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April 26, 2024

KELLY LOWERY  
ENSOLUM, LLC  
705 W WADLEY AVE.  
MIDLAND, TX 79705

RE: LINE 1003

Enclosed are the results of analyses for samples received by the laboratory on 04/25/24 15:33.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

|                  |                              |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5)     |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3)  |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene  
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ENSOLUM, LLC  
 KELLY LOWERY  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

|                   |            |                     |                |
|-------------------|------------|---------------------|----------------|
| Received:         | 04/25/2024 | Sampling Date:      | 04/24/2024     |
| Reported:         | 04/26/2024 | Sampling Type:      | Soil           |
| Project Name:     | LINE 1003  | Sampling Condition: | Cool & Intact  |
| Project Number:   | 03B1226319 | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN |                     |                |

**Sample ID: E - 01 0.25' (H242229-01)**

| TPH 8015M                     | mg/kg  | Analyzed By: MS |            |              |     |            |               |      |           |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte                       | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                   | <10.0  | 10.0            | 04/25/2024 | ND           | 196 | 98.0       | 200           | 2.24 |           |
| DRO >C10-C28*                 | <10.0  | 10.0            | 04/25/2024 | ND           | 199 | 99.3       | 200           | 4.10 |           |
| EXT DRO >C28-C36              | <10.0  | 10.0            | 04/25/2024 | ND           |     |            |               |      |           |
| <hr/>                         |        |                 |            |              |     |            |               |      |           |
| Surrogate: 1-Chlorooctane     | 108 %  | 48.2-134        |            |              |     |            |               |      |           |
| Surrogate: 1-Chlorooctadecane | 114 %  | 49.1-148        |            |              |     |            |               |      |           |

**Sample ID: E - 02 0.25' (H242229-02)**

| TPH 8015M                     | mg/kg  | Analyzed By: MS |            |              |     |            |               |      |           |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte                       | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                   | <10.0  | 10.0            | 04/26/2024 | ND           | 196 | 98.0       | 200           | 2.24 |           |
| DRO >C10-C28*                 | <10.0  | 10.0            | 04/26/2024 | ND           | 199 | 99.3       | 200           | 4.10 |           |
| EXT DRO >C28-C36              | <10.0  | 10.0            | 04/26/2024 | ND           |     |            |               |      |           |
| <hr/>                         |        |                 |            |              |     |            |               |      |           |
| Surrogate: 1-Chlorooctane     | 96.3 % | 48.2-134        |            |              |     |            |               |      |           |
| Surrogate: 1-Chlorooctadecane | 98.9 % | 49.1-148        |            |              |     |            |               |      |           |

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ENSOLUM, LLC  
 KELLY LOWERY  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

|                   |            |                     |                |
|-------------------|------------|---------------------|----------------|
| Received:         | 04/25/2024 | Sampling Date:      | 04/24/2024     |
| Reported:         | 04/26/2024 | Sampling Type:      | Soil           |
| Project Name:     | LINE 1003  | Sampling Condition: | Cool & Intact  |
| Project Number:   | 03B1226319 | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN |                     |                |

**Sample ID: N - 01 0.25' (H242229-03)**

| TPH 8015M                     | mg/kg  | Analyzed By: MS |            |              |     |            |               |      |           |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte                       | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                   | <10.0  | 10.0            | 04/26/2024 | ND           | 196 | 98.0       | 200           | 2.24 |           |
| DRO >C10-C28*                 | <10.0  | 10.0            | 04/26/2024 | ND           | 199 | 99.3       | 200           | 4.10 |           |
| EXT DRO >C28-C36              | <10.0  | 10.0            | 04/26/2024 | ND           |     |            |               |      |           |
| <hr/>                         |        |                 |            |              |     |            |               |      |           |
| Surrogate: 1-Chlorooctane     | 113 %  | 48.2-134        |            |              |     |            |               |      |           |
| Surrogate: 1-Chlorooctadecane | 121 %  | 49.1-148        |            |              |     |            |               |      |           |

**Sample ID: W - 01 0.25' (H242229-04)**

| TPH 8015M                     | mg/kg  | Analyzed By: MS |            |              |     |            |               |      |           |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte                       | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                   | <10.0  | 10.0            | 04/26/2024 | ND           | 196 | 98.0       | 200           | 2.24 |           |
| DRO >C10-C28*                 | <10.0  | 10.0            | 04/26/2024 | ND           | 199 | 99.3       | 200           | 4.10 |           |
| EXT DRO >C28-C36              | <10.0  | 10.0            | 04/26/2024 | ND           |     |            |               |      |           |
| <hr/>                         |        |                 |            |              |     |            |               |      |           |
| Surrogate: 1-Chlorooctane     | 115 %  | 48.2-134        |            |              |     |            |               |      |           |
| Surrogate: 1-Chlorooctadecane | 123 %  | 49.1-148        |            |              |     |            |               |      |           |

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 KELLY LOWERY  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

|                   |            |                     |                |
|-------------------|------------|---------------------|----------------|
| Received:         | 04/25/2024 | Sampling Date:      | 04/24/2024     |
| Reported:         | 04/26/2024 | Sampling Type:      | Soil           |
| Project Name:     | LINE 1003  | Sampling Condition: | Cool & Intact  |
| Project Number:   | 03B1226319 | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN |                     |                |

**Sample ID: W - 02 0.25' (H242229-05)**

| TPH 8015M                     | mg/kg  | Analyzed By: MS |            |              |     |            |               |      |           |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte                       | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                   | <10.0  | 10.0            | 04/26/2024 | ND           | 196 | 98.0       | 200           | 2.24 |           |
| DRO >C10-C28*                 | <10.0  | 10.0            | 04/26/2024 | ND           | 199 | 99.3       | 200           | 4.10 |           |
| EXT DRO >C28-C36              | <10.0  | 10.0            | 04/26/2024 | ND           |     |            |               |      |           |
| <hr/>                         |        |                 |            |              |     |            |               |      |           |
| Surrogate: 1-Chlorooctane     | 120 %  | 48.2-134        |            |              |     |            |               |      |           |
| Surrogate: 1-Chlorooctadecane | 125 %  | 49.1-148        |            |              |     |            |               |      |           |

**Sample ID: S - 01 0.25' (H242229-06)**

| TPH 8015M                     | mg/kg  | Analyzed By: MS |            |              |     |            |               |      |           |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte                       | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                   | <10.0  | 10.0            | 04/26/2024 | ND           | 196 | 98.0       | 200           | 2.24 |           |
| DRO >C10-C28*                 | <10.0  | 10.0            | 04/26/2024 | ND           | 199 | 99.3       | 200           | 4.10 |           |
| EXT DRO >C28-C36              | <10.0  | 10.0            | 04/26/2024 | ND           |     |            |               |      |           |
| <hr/>                         |        |                 |            |              |     |            |               |      |           |
| Surrogate: 1-Chlorooctane     | 97.8 % | 48.2-134        |            |              |     |            |               |      |           |
| Surrogate: 1-Chlorooctadecane | 98.6 % | 49.1-148        |            |              |     |            |               |      |           |

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 KELLY LOWERY  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 04/25/2024  
 Reported: 04/26/2024  
 Project Name: LINE 1003  
 Project Number: 03B1226319  
 Project Location: NONE GIVEN

Sampling Date: 04/24/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 02 0-9 (H242229-07)**

| TPH 8015M                     | mg/kg  | Analyzed By: MS |            |              |     |            |               |      |           |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte                       | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                   | <10.0  | 10.0            | 04/26/2024 | ND           | 196 | 98.0       | 200           | 2.24 |           |
| DRO >C10-C28*                 | <10.0  | 10.0            | 04/26/2024 | ND           | 199 | 99.3       | 200           | 4.10 |           |
| EXT DRO >C28-C36              | <10.0  | 10.0            | 04/26/2024 | ND           |     |            |               |      |           |
| Surrogate: 1-Chlorooctane     | 108 %  | 48.2-134        |            |              |     |            |               |      |           |
| Surrogate: 1-Chlorooctadecane | 110 %  | 49.1-148        |            |              |     |            |               |      |           |

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**Notes and Definitions**

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

1  
2  
3  
4  
5  
6  
7

# Chain-of-Custody Record

Client: Ensolum, LLC

Mailing Address: 601 N. Marienfeld St. Suite 400

Phone #: 214-733-3165

email or Fax#: klowery@ensolum.com

QA/QC Package:

Standard  Level 4 (Full Validation)

Accreditation:  Az Compliance

NELAC  Other

EDD (Type)

Turn-Around Time:

Standard  Rush 24 hours

Project Name:

Line 1003

Project #: 0381226319

Project Manager: Kelly Lowery

Sampler:

On Ice:  Yes  No

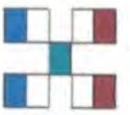
# of Coolers: 1

Cooler Temp (including CF): 2.1°C #140

| Container Type and # | Preservative Type | HEAL No. |
|----------------------|-------------------|----------|
| 402                  | Ice               |          |

| Date    | Time | Matrix | Sample Name | Depth | Container Type and # | Preservative Type | HEAL No. |
|---------|------|--------|-------------|-------|----------------------|-------------------|----------|
| 4-24-24 | 1115 | Soil   | E-01        | 0-25  | 402                  | Ice               |          |
| 4-24-24 | 1117 | ✓      | E-02        | 0-25  | 402                  | Ice               |          |
| 4-24-24 | 1119 | ✓      | N-01        | 0-25  | 402                  | Ice               |          |
| 4-24-24 | 1121 | ✓      | W-01        | 0-25  | 402                  | Ice               |          |
| 4-24-24 | 1123 | ✓      | W-02        | 0-25  | 402                  | Ice               |          |
| 4-24-24 | 1125 | ✓      | S-01        | 0-25  | 402                  | Ice               |          |
| 4-24-24 | 1005 | Soil   | Sov-02      | 0-5   | 402                  | Ice               |          |

| Remarks:   | Bill to: Tom Leng - Ensolum |
|--|-----------------------------|
| BTEX / MTBE / TMB's (8021)   |                             |
| TPH:8015D(GRO / DRO / MRO)   |                             |
| 8081 Pesticides/8082 PCB's   |                             |
| EDB (Method 504.1)   |                             |
| PAHs by 8310 or 8270SIMS   |                             |
| RCRA 8 Metals  |                             |
| Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> |                             |
| 8260 (VOA)   |                             |
| 8270 (Semi-VOA)  |                             |
| Total Coliform (Present/Absent)  |                             |



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

If necessary, samples submitted to Hall Environmental may 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.

Relinquished by: [Signature]  
 Received by: [Signature] Date: 4-25-24 Time: 1533  
 Via: [Signature]

Paykey/A/E/NonA/E: 468035 N63481

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 382202

**QUESTIONS**

|   |   |
|---|---|
| Operator:<br>Enterprise Field Services, LLC<br>PO Box 4324<br>Houston, TX 77210 | OGRID:<br>241602  |
|   | Action Number:<br>382202  |
|   | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS**

|                      |                                     |
|----------------------|-------------------------------------|
| <b>Prerequisites</b> |                                     |
| Incident ID (n#)     | nAPP2332441886                      |
| Incident Name        | NAPP2332441886 PIPELINE 1003 @ 0    |
| Incident Type        | Natural Gas Release                 |
| Incident Status      | Remediation Closure Report Received |

|   |               |
|---|---------------|
| <b>Location of Release Source</b>                     |               |
| <i>Please answer all the questions in this group.</i> |               |
| Site Name   | PIPELINE 1003 |
| Date Release Discovered                               | 11/20/2023    |
| Surface Owner   | Private       |

|  |                     |
|--|---------------------|
| <b>Incident Details</b>  |                     |
| <i>Please answer all the questions in this group.</i>  |                     |
| Incident Type  | Natural Gas Release |
| Did this release result in a fire or is the result of a fire   | No                  |
| Did this release result in any injuries  | No                  |
| Has this release reached or does it have a reasonable probability of reaching a watercourse          | No                  |
| Has this release endangered or does it have a reasonable probability of endangering public health    | No                  |
| Has this release substantially damaged or will it substantially damage property or the environment   | No                  |
| Is this release of a volume that is or may with reasonable probability be detrimental to fresh water | No                  |

|   |  |
|---|--|
| <b>Nature and Volume of Release</b>   |  |
| <i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i> |  |
| Crude Oil Released (bbls) Details   | Not answered.  |
| Produced Water Released (bbls) Details  | Not answered.  |
| Is the concentration of chloride in the produced water >10,000 mg/l   | Not answered.  |
| Condensate Released (bbls) Details  | Cause: Corrosion   Pipeline (Any)   Condensate   Released: 5 BBL   Recovered: 0 BBL   Lost: 5 BBL. |
| Natural Gas Vented (Mcf) Details  | Not answered.  |
| Natural Gas Flared (Mcf) Details  | Not answered.  |
| Other Released Details  | Not answered.  |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)  | Not answered.  |

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 2

Action 382202

**QUESTIONS (continued)**

|   |   |
|---|---|
| Operator:<br>Enterprise Field Services, LLC<br>PO Box 4324<br>Houston, TX 77210 | OGRID:<br>241602  |
|   | Action Number:<br>382202  |
|   | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS**

|   |  |
|---|--|
| <b>Nature and Volume of Release (continued)</b>   |  |
| Is this a gas only submission (i.e. only significant Mcf values reported)               | <b>More info needed to determine if this will be treated as a "gas only" report.</b> |
| Was this a major release as defined by Subsection A of 19.15.29.7 NMAC                  | <b>No</b>  |
| Reasons why this would be considered a submission for a notification of a major release | <i>Unavailable.</i>  |

*With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.*

**Initial Response**

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.*

|  |                      |
|--|----------------------|
| The source of the release has been stopped   | <b>True</b>          |
| The impacted area has been secured to protect human health and the environment                                     | <b>True</b>          |
| Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices | <b>True</b>          |
| All free liquids and recoverable materials have been removed and managed appropriately                             | <b>True</b>          |
| If all the actions described above have not been undertaken, explain why   | <i>Not answered.</i> |

*Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.*

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

|  |   |
|--|---|
| I hereby agree and sign off to the above statement | Name: David Feather<br>Title: Contractor<br>Email: dfeather@eprod.com<br>Date: 09/10/2024 |
|--|---|

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 3

Action 382202

**QUESTIONS (continued)**

|   |   |
|---|---|
| Operator:<br>Enterprise Field Services, LLC<br>PO Box 4324<br>Houston, TX 77210 | OGRID:<br>241602  |
|   | Action Number:<br>382202  |
|   | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
|   |   |

**QUESTIONS**

**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

|  |                                |
|--|--------------------------------|
| What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs) | Between 51 and 75 (ft.)        |
| What method was used to determine the depth to ground water  | NM OSE iWaters Database Search |
| Did this release impact groundwater or surface water   | No                             |
| <b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>   |                                |
| A continuously flowing watercourse or any other significant watercourse  | Between 1 and 5 (mi.)          |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)  | Between ½ and 1 (mi.)          |
| An occupied permanent residence, school, hospital, institution, or church  | Between 1000 (ft.) and ½ (mi.) |
| A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes  | Between 1000 (ft.) and ½ (mi.) |
| Any other fresh water well or spring   | Between 1000 (ft.) and ½ (mi.) |
| Incorporated municipal boundaries or a defined municipal fresh water well field  | Between 1 and 5 (mi.)          |
| A wetland  | Between 100 and 200 (ft.)      |
| A subsurface mine  | Greater than 5 (mi.)           |
| An (non-karst) unstable area   | Between ½ and 1 (mi.)          |
| Categorize the risk of this well / site being in a karst geology   | Medium                         |
| A 100-year floodplain  | Between ½ and 1 (mi.)          |
| Did the release impact areas not on an exploration, development, production, or storage site                               | Yes                            |

**Remediation Plan**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

|  |     |
|--|-----|
| Requesting a remediation plan approval with this submission  | Yes |
| <i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i> |     |
| Have the lateral and vertical extents of contamination been fully delineated   | Yes |
| Was this release entirely contained within a lined containment area  | No  |

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

|   |       |
|---|-------|
| Chloride (EPA 300.0 or SM4500 Cl B)         | 7060  |
| TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M) | 19010 |
| GRO+DRO (EPA SW-846 Method 8015M)           | 13210 |
| BTEX (EPA SW-846 Method 8021B or 8260B)     | 42.4  |
| Benzene (EPA SW-846 Method 8021B or 8260B)  | 0.2   |

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

|   |            |
|---|------------|
| On what estimated date will the remediation commence                        | 11/21/2023 |
| On what date will (or did) the final sampling or liner inspection occur     | 04/24/2024 |
| On what date will (or was) the remediation complete(d)                      | 04/24/2024 |
| What is the estimated surface area (in square feet) that will be reclaimed  | 520        |
| What is the estimated volume (in cubic yards) that will be reclaimed        | 347        |
| What is the estimated surface area (in square feet) that will be remediated | 520        |
| What is the estimated volume (in cubic yards) that will be remediated       | 347        |

*These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.*

*The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.*

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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 4

Action 382202

**QUESTIONS (continued)**

|   |   |
|---|---|
| Operator:<br>Enterprise Field Services, LLC<br>PO Box 4324<br>Houston, TX 77210 | OGRID:<br>241602  |
|   | Action Number:<br>382202  |
|   | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS**

**Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

**This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:**

(Select all answers below that apply.)

|   |                                    |
|---|------------------------------------|
| (Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.) | Yes                                |
| Which OCD approved facility will be used for <b>off-site</b> disposal                 | LEA LAND LANDFILL [fEEM0112342028] |
| <b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal     | Not answered.                      |
| <b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state              | Not answered.                      |
| <b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility          | Not answered.                      |
| (Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)         | Not answered.                      |
| (In Situ) Soil Vapor Extraction   | Not answered.                      |
| (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)     | Not answered.                      |
| (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)                    | Not answered.                      |
| (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)              | Not answered.                      |
| Ground Water Abatement pursuant to 19.15.30 NMAC                                      | Not answered.                      |
| OTHER (Non-listed remedial process)   | Not answered.                      |

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

|  |   |
|--|---|
| I hereby agree and sign off to the above statement | Name: David Feather<br>Title: Contractor<br>Email: dfeather@eprod.com<br>Date: 09/12/2024 |
|--|---|

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 382202

**QUESTIONS (continued)**

|   |   |
|---|---|
| Operator:<br>Enterprise Field Services, LLC<br>PO Box 4324<br>Houston, TX 77210 | OGRID:<br>241602  |
|   | Action Number:<br>382202  |
|   | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS**

|   |    |
|---|----|
| <b>Deferral Requests Only</b>   |    |
| <i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i> |    |
| Requesting a deferral of the remediation closure due date with the approval of this submission  | No |

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QUESTIONS, Page 6

Action 382202

**QUESTIONS (continued)**

|   |   |
|---|---|
| Operator:<br>Enterprise Field Services, LLC<br>PO Box 4324<br>Houston, TX 77210 | OGRID:<br>241602  |
|   | Action Number:<br>382202  |
|   | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS**

| <b>Sampling Event Information</b>   |                   |
|---|-------------------|
| Last sampling notification (C-141N) recorded  | <b>335204</b>     |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | <b>04/24/2024</b> |
| What was the (estimated) number of samples that were to be gathered                             | <b>4</b>          |
| What was the sampling surface area in square feet   | <b>1000</b>       |

| <b>Remediation Closure Request</b>   |      |
|--|------|
| <i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>  |      |
| Requesting a remediation closure approval with this submission   | Yes  |
| Have the lateral and vertical extents of contamination been fully delineated   | Yes  |
| Was this release entirely contained within a lined containment area  | No   |
| All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion   | Yes  |
| What was the total surface area (in square feet) remediated  | 520  |
| What was the total volume (cubic yards) remediated   | 347  |
| All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene | Yes  |
| What was the total surface area (in square feet) reclaimed   | 520  |
| What was the total volume (in cubic yards) reclaimed   | 347  |
| Summarize any additional remediation activities not included by answers (above)  | none |

*The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.*

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

|  |   |
|--|---|
| I hereby agree and sign off to the above statement | Name: David Feather<br>Title: Contractor<br>Email: dfeather@eprod.com<br>Date: 09/12/2024 |
|--|---|

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Action 382202

**QUESTIONS (continued)**

|   |   |
|---|---|
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|   | Action Number:<br>382202  |
|   | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS**

|  |    |
|--|----|
| <b>Reclamation Report</b>  |    |
| <i>Only answer the questions in this group if all reclamation steps have been completed.</i> |    |
| Requesting a reclamation approval with this submission                                       | No |

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CONDITIONS

Action 382202

**CONDITIONS**

|   |   |
|---|---|
| Operator:<br>Enterprise Field Services, LLC<br>PO Box 4324<br>Houston, TX 77210 | OGRID:<br>241602  |
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|   | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**CONDITIONS**

| Created By    | Condition  | Condition Date |
|---------------|--|----------------|
| scott.rodgers | This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".   | 12/6/2024      |
| scott.rodgers | The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan. | 12/6/2024      |