ENSOLUM

# CLOSURE REPORT

Property:

**Lateral C-38 (July 2025)**
Unit Letter P, S13 T27N R9W
San Juan County, New Mexico

**New Mexico EMNRD OCD Incident ID No. NAPP2519050239**

**October 22, 2025**

Ensolum Project No. 05A1226374

Prepared for:

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

Prepared by:

Chad D'Aponti
Project Scientist

Kyle Summers
Senior Managing Geologist

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# LIST OF APPENDICES

# 1.0 INTRODUCTION

## 1.1 Site Description & Background

| | |
|---|---|
| **Operator:** | Enterprise Field Services, LLC / Enterprise Products Operating LLC (Enterprise) |
| **Site Name:** | Lateral C-38 (Site) |
| **NM EMNRD OCD Incident ID No.** | NAPP2519050239 |
| **Location:** | 36.570074° North, -107.734675° West<br>Unit Letter P, Section 13, Township 27 North, Range 09 West<br>San Juan County, New Mexico (Originally thought to be in Unit Letter O) |
| **Property:** | Navajo Nation |
| **Regulatory:** | Navajo Nation Environmental Protection Agency (NNEPA) |

On July 1, 2025, a potential release of natural gas was identified from the Lateral C-38 pipeline. Enterprise subsequently isolated and locked the pipeline out of service. On July 9, 2025, Enterprise initiated activities to remediate potential petroleum hydrocarbon impact. On July 9, 2025, Enterprise determined the release was “reportable” and notifications were performed.

A **Topographic Map** depicting the location of the Site is included as **Figure 1**, and a **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 constituent of concern (COC) concentrations in the on-site soils to below the applicable NM EMNRD OCD closure criteria.

# 2.0 CLOSURE CRITERIA

The Site is subject to regulatory oversight by the NNEPA. During the evaluation and remediation of the Site, Ensolum, LLC (Ensolum) referenced New Mexico Administrative Code (NMAC) 19.15.29 *Releases,* which establishes investigation and abatement action requirements for oil and gas release sites that are subject to reporting and/or corrective action. The appropriate closure criteria for sites are determined using the siting requirements outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC. Ensolum utilized the general site characteristics and information available from NM state agency databases and federal agency geospatial databases to determine the appropriate closure criteria for the Site. Supporting figures and documentation associated with the following Siting bullets are provided in **Appendix B**.

- No PODs were identified in this or the adjacent PLSS sections (**Figure A**, **Appendix B**).
- No cathodic protection wells (CPWs) with recorded depths to water were identified in the NM EMNRD OCD imaging database within one mile of the Site (**Figure B**, **Appendix B**).
- The Site is located within 300 feet of a NM EMNRD OCD-defined continuously flowing watercourse or significant watercourse (**Figure C**, **Appendix B**). A “blue line” ephemeral wash is located approximately 90 feet south of the Site.
- The Site is not located within 200 feet of a lakebed, sinkhole, or playa lake.

- The Site is not located within 300 feet of a permanent residence, school, hospital, institution, or church (**Figure D**, **Appendix B**).

- No springs, or private domestic freshwater wells used by less than five households for domestic or stock watering purposes were identified within 500 feet of the Site (**Figure E**, **Appendix B**).

- No freshwater wells or springs were identified within 1,000 feet of the Site (**Figure E**, **Appendix B**).

- 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 Statutes Annotated (NMSA) 1978, Section 3-27-3.

- Based on information identified in the U.S. Fish & Wildlife Service National Wetlands Inventory Wetlands Mapper, the Site is not within 300 feet of a wetland (**Figure F**, **Appendix B**).

- Based on information identified in the NM Mining and Minerals Division's Geographic Information System (GIS) Maps and Mine Data database, the Site is not within an area overlying a subsurface mine (**Figure G**, **Appendix B**).

- The Site is not located within an unstable area per Paragraph (6) of Subsection U of 19.15.2.7 NMAC.

- Based on information provided by the Federal Emergency Management Agency (FEMA) National Flood Hazard Layer (NFHL) geospatial database, the Site is within a 100-year floodplain (**Figure H**, **Appendix B**).

Based on available information Enterprise estimates the depth to water at the Site to potentially be less than 50 feet bgs due to the elevation of the site relative to the elevation of the Blanco Canyon Wash, and the proximity of the nearby "blue-line" ephemeral wash, resulting in a Tier I ranking. The closure criteria for soils remaining in place at the Site include:

| Tier I Closure Criteria for Soils Impacted by a Release | | |
|---|---|---|
| **Constituent**[1] | **Method** | **Limit** |
| Chloride | EPA 300.0 or SM4500 Cl B | 600 mg/kg |
| TPH (GRO+DRO+MRO)[2] | EPA SW-846 Method 8015 | 100 mg/kg |
| BTEX[3] | EPA SW-846 Method 8021 or 8260 | 50 mg/kg |
| Benzene | EPA SW-846 Method 8021 or 8260 | 10 mg/kg |

[1] – Constituent concentrations are in milligrams per kilogram (mg/kg).
[2] – Total Petroleum Hydrocarbons (TPH). Gasoline Range Organics (GRO). Diesel Range Organics (DRO). Motor Oil/Lube Oil Range Organics (MRO).
[3] – Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX).

## 3.0 SOIL REMEDIATION ACTIVITIES

On July 9, 2025, Enterprise initiated activities to remediate petroleum hydrocarbon impact resulting from the release. During the remediation and corrective action activities, OFT Construction, Inc. provided heavy equipment and labor support, while Ensolum provided environmental consulting support.

The primary excavation measured approximately 27 feet by 28 feet at the maximum extents, of the main excavation. The maximum depth of the primary excavation measured approximately 10 feet bgs. The total surface expression of the excavation was approximately 560 $ft^2$. The lithology encountered during the completion of remediation activities consisted primarily of unconsolidated silty sandy clay.

Approximately 900 cubic yards ($yd^3$) of petroleum hydrocarbon-affected soils and 90 barrels (bbls) of hydro-excavation soil cuttings and water were transported to the Envirotech, Inc. (Envirotech) landfarm in San Juan County, NM for disposal/remediation. The executed C-138 solid waste acceptance form is provided in **Appendix C**. The excavation was backfilled with imported fill and then contoured to the surrounding grade.

**Figure 3** is a map that identifies approximate soil sample locations and depicts the approximate dimensions of the excavation with respect to the pipeline (**Appendix A**). Photographic documentation of the field activities is included in **Appendix D**.

## 4.0 SOIL SAMPLING PROGRAM

Ensolum field screened the soil samples from the excavation utilizing a calibrated photoionization detector (PID) fitted with a 10.6 eV lamp to guide excavation extents.

Ensolum's soil sampling program included the collection of 18 composite soil samples (S-1 through S-16, S-10a and S-11a) from the excavation and one composite soil sample (BF-1) from the backfill for laboratory analysis. The composite samples collected from the excavation were comprised of five aliquots each and represent an estimated 200 square foot ($ft^2$) or less sample area per guidelines outlined in Section D of 19.15.29.12 NMAC. The excavator bucket and/or hand tools were utilized to obtain fresh aliquots from the excavation and backfill. Regulatory correspondence is provided in **Appendix E**.

**First Sampling Event**

On July 17, 2025, sampling was performed at the Site. The NM EMNRD OCD was notified of the sampling event although no representative was present during sampling activities. Composite soil samples S-1 (10'), S-2 (10'), and S-3 (10'), were collected from the floor of the excavation. Composite soil samples S-4 (0' to 10'), S-5 (0' to 10'), S-6 (0' to 10'), S-7 (0' to 10'), S-8 (0' to 10'), S-9 (0' to 10'), S-10 (0' to 10'), and S-11 (0' to 10') were collected from the walls of the excavation.

**Second Sampling Event**

On July 22, 2025, sampling was performed at the Site. Composite soil samples S-12 (10'), S-13 (10'), and S-14 (10'), were collected from the floor of the excavation. Composite soil samples S-10a (0' to 10'), S-11a (0' to 10'), S-15 (0' to 10'), and S-16 (0' to 10') were collected from the walls of the excavation. Composite soil sample BF-1 was collected from the imported fill.

All soil samples were collected and placed in laboratory-prepared glassware. The containers were labeled and sealed using the laboratory-supplied labels and custody seals and were stored on ice in a cooler. The samples were relinquished to the courier for Eurofins Environment Testing South Central, LLC (Eurofins) of Albuquerque, NM, under proper chain-of-custody procedures.

## 5.0 SOIL LABORATORY ANALYTICAL METHODS

The composite soil samples were analyzed for BTEX using Environmental Protection Agency (EPA) SW-846 Method 8021; TPH GRO/DRO/MRO using EPA SW-846 Method 8015; and chlorides using EPA Method 300.0.

The laboratory analytical results are summarized in **Table 1** (**Appendix F**). The laboratory data sheets and executed chain-of-custody forms are provided in **Appendix G**.

## 6.0 SOIL DATA EVALUATION

Ensolum compared the benzene, BTEX, TPH, and chloride laboratory analytical results or laboratory practical quantitation limits (PQLs) / reporting limits (RLs) associated with the composite soil samples (S-1 through S-9, S-10a, S-11a, S-12 through S-16, and BF-1) to the applicable NM EMNRD OCD closure criteria. Due to the high PQLs/RLs associated with the TPH MRO results when using EPA SW-846 Method 8015, Ensolum only compares the quantified TPH results to the New Mexico EMNRD OCD closure criteria. Soils associated with composite soil samples S-10 and S-11 were removed from the site and therefore are not included in the following discussion. The laboratory analytical results are summarized in **Table 1** (**Appendix F**).

- The laboratory analytical results for the composite soil samples collected from soils remaining at the Site indicate that benzene is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the NM EMNRD OCD closure criteria of 10 mg/kg.

- The laboratory analytical results for the composite soil samples collected from soils remaining at the Site indicate that total BTEX is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the NM EMNRD OCD closure criteria of 50 mg/kg.

- The laboratory analytical results for the composite soil samples collected from soils remaining at the Site indicate that total combined TPH GRO/DRO/MRO concentrations are less than the laboratory PQLs / RLs, which are less than the NM EMNRD OCD closure criteria of 100 mg/kg.

- The analytical results for the composite soil samples collected from soils remaining at the Site indicate that chloride concentrations are less than the laboratory PQLs / RLs, which are less than the NM EMNRD OCD closure criteria of 600 mg/kg.

## 7.0 RECLAMATION

The excavation was backfilled with imported fill and then contoured to the surrounding grade. The backfill and the upper four feet of the excavation have been analytically verified to be below the Tier I soil standards of 50 mg/kg BTEX, 10 mg/kg benzene, 100 mg/kg total combined TPH, and 600 mg/kg Chloride. See **APPENDIX D** and **APPENDIX F** for further documentation.

## 8.0 REVEGETATION

Revegetation will be addressed in accordance with 19.15.29.13 NMAC utilizing the recommended seed mix as described in the Vegetation Community Descriptions and Seed Mixes provided by the BLM Farmington Field Office. In this case the surrounding vegetation is predominantly of the Greasewood/Sagebrush Vegetation Communities. Enterprise will reseed the area with the

appropriate seed mix during the next favorable growing season. Enterprise will provide revegetation documentation under separate cover.

## 9.0 FINDINGS AND RECOMMENDATION

- Nineteen composite soil samples were collected from the Site. Based on laboratory analytical results, no benzene, total BTEX, chloride, or total combined TPH GRO/DRO/MRO exceedances were identified in the soils remaining at the Site.

- Approximately 900 cubic yards ($yd^3$) of petroleum hydrocarbon-affected soils and 90 barrels (bbls) of hydro-excavation soil cuttings and water were transported to the Envirotech landfarm for disposal/remediation.

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

## 10.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

### 10.1 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).

### 10.2 Limitations

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

### 10.3 Reliance

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

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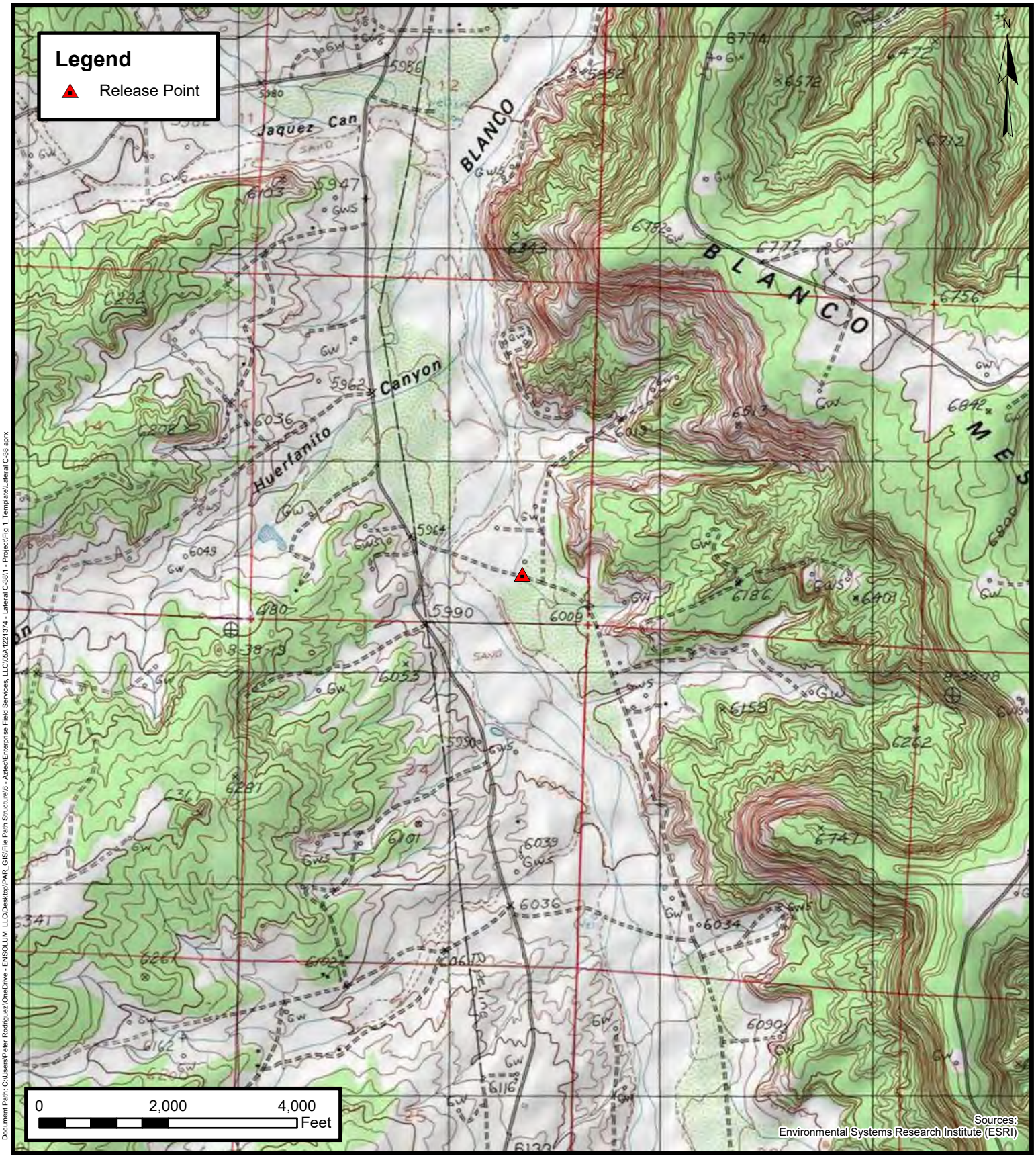
# APPENDIX A

# Figures

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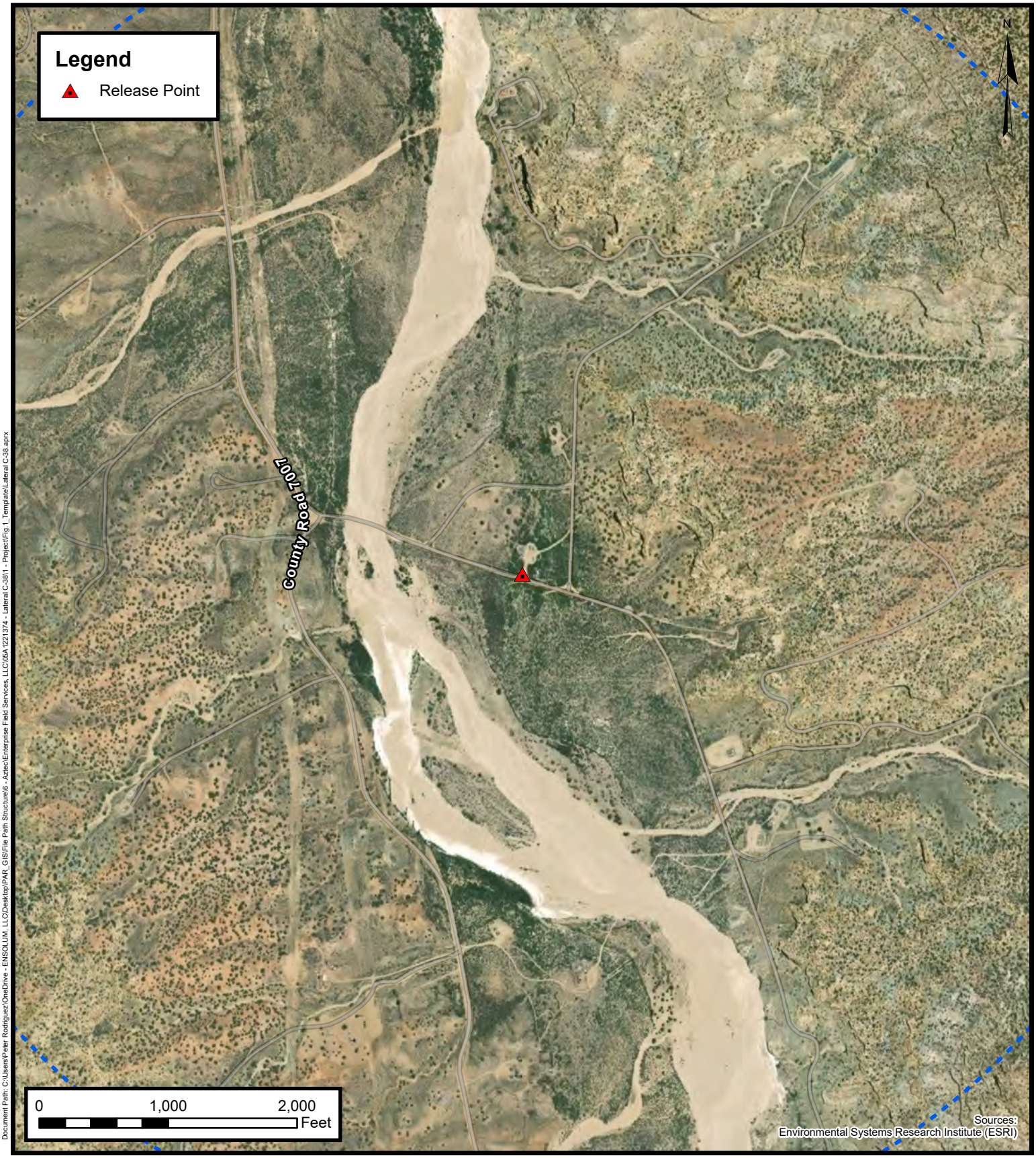
Environmental, Engineering and Hydrogeologic Consultants

# Topographic Map

Enterprise Field Services, LLC
Lateral C-38
Project Number: 05A1226374
Unit Letter P, S13, T27N, R09W, San Juan County, New Mexico
36.570074, -107.734675

FIGURE
1

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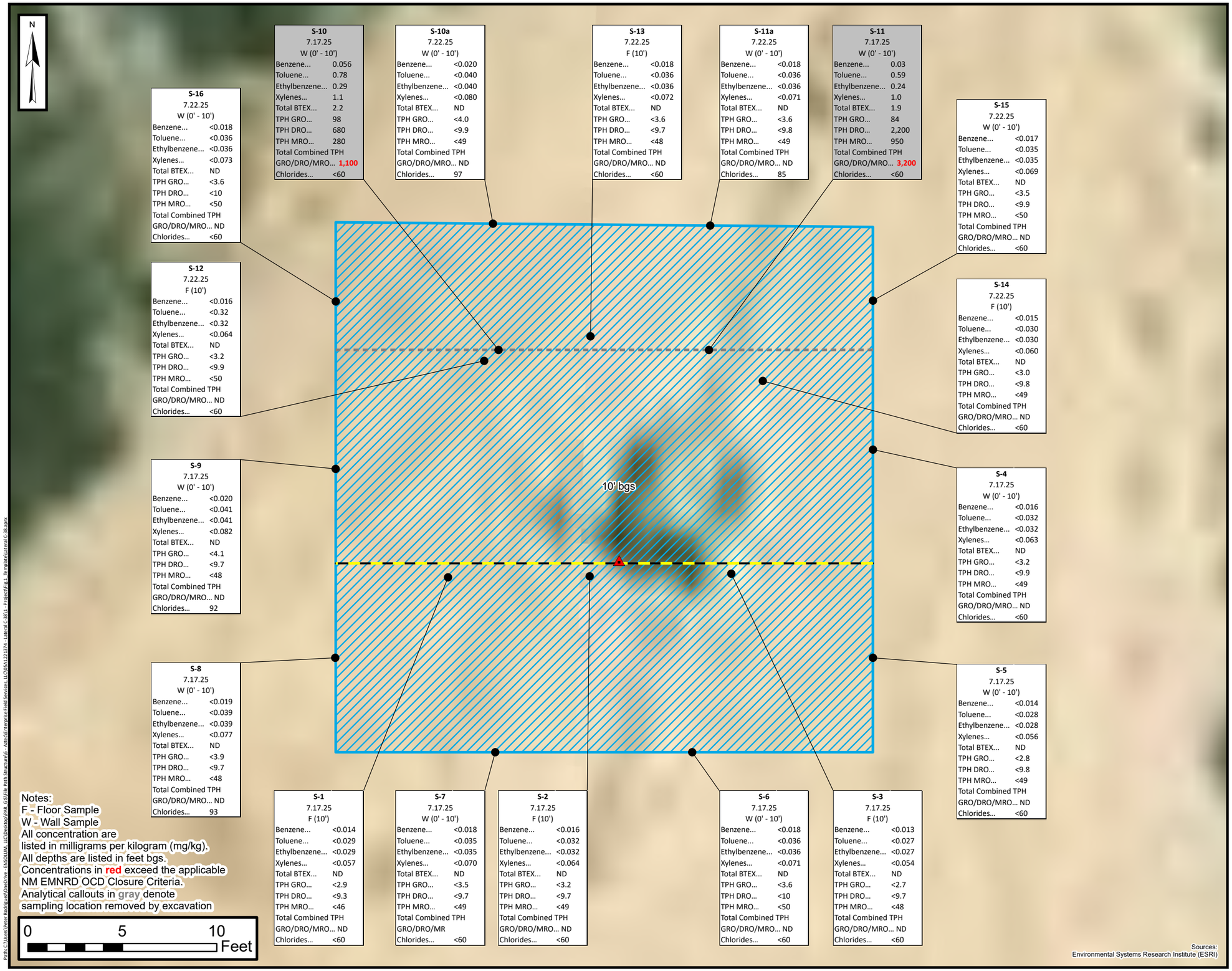
# Site Vicinity Map

Enterprise Field Services, LLC
Lateral C-38
Project Number: 05A1226374
Unit Letter P, S13, T27N, R09W, San Juan County, New Mexico
36.570074, -107.734675

**FIGURE**

**2**




## LEGEND

- Point of Release
- Composite Soil Sample Location
- Lateral C-38 Pipeline
- Former Wall
- Excavation Extent

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# Site Map with Soil Analytical Results

Enterprise Field Services, LLC
Lateral C-38
Unit Letter P, S13, T27N, R09W
San Juan County, New Mexico
36.570074, -107.734675

# Figure 3

Project Number: 05A1226374

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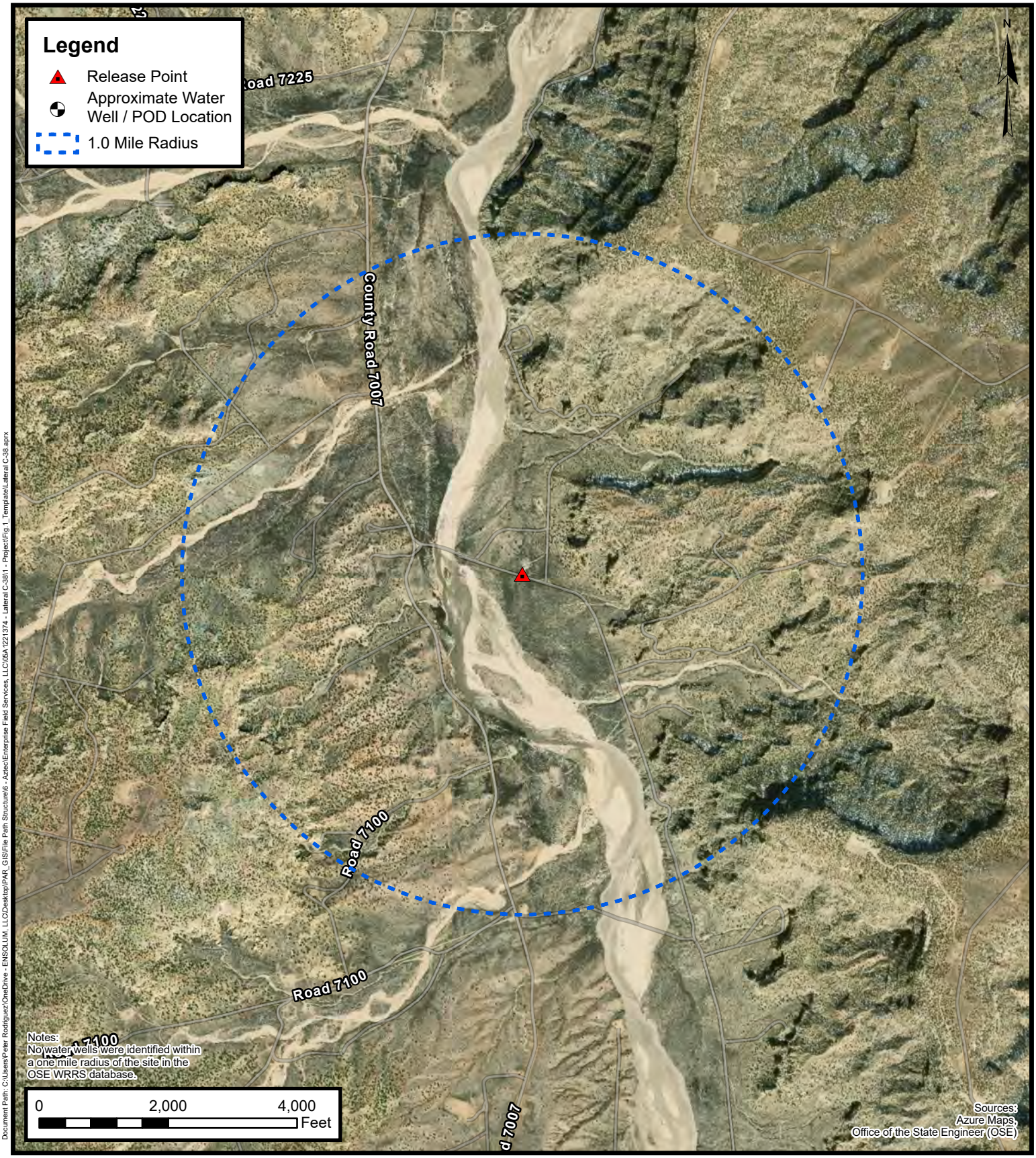
# APPENDIX B

# Siting Figures and Documentation



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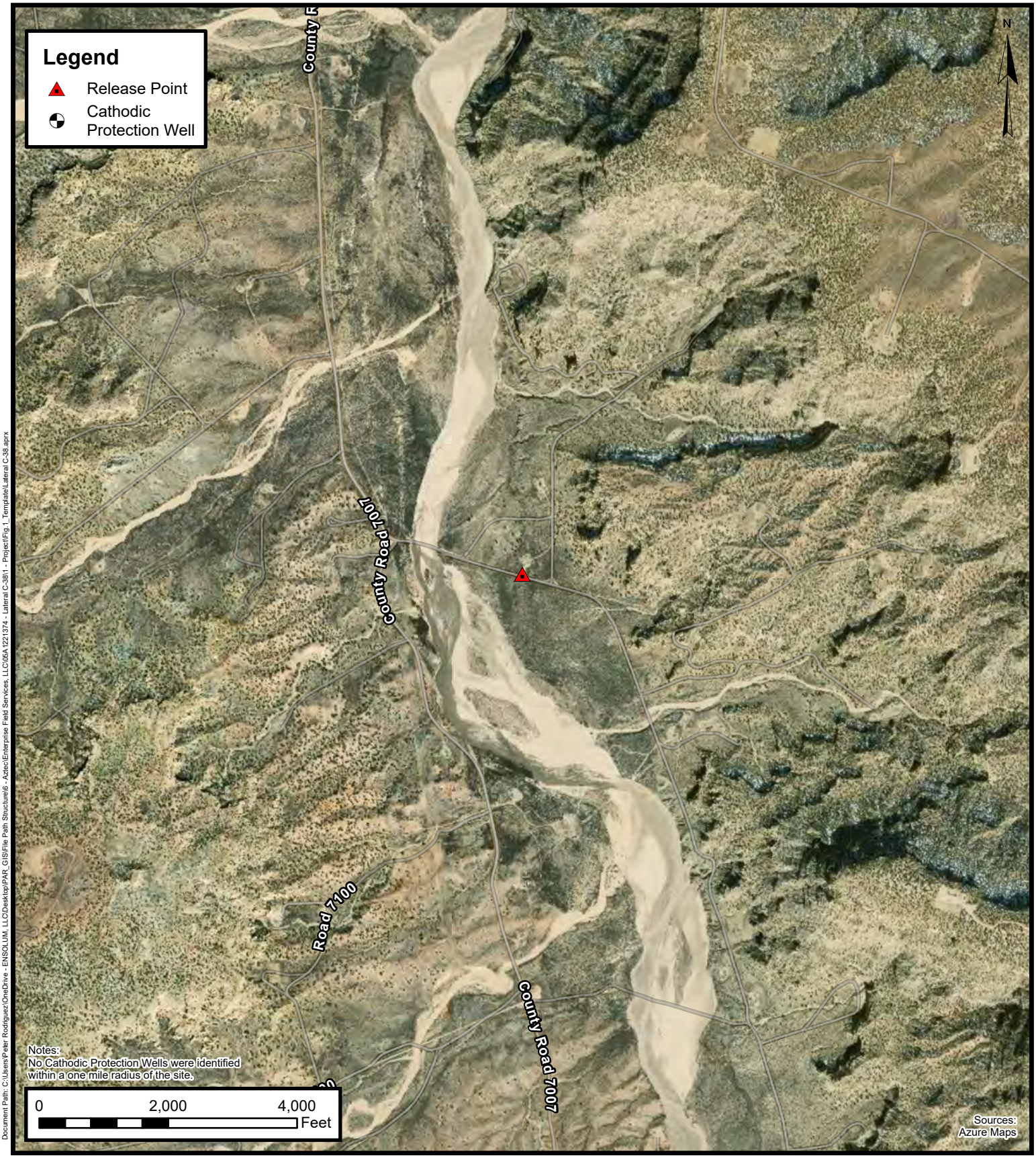
**1.0 Mile Radius Water Well / POD Location Map**

Enterprise Field Services, LLC
Lateral C-38
Project Number: 05A1226374
Unit Letter P, S13, T27N, R09W, San Juan County, New Mexico
36.570074, -107.734675

**FIGURE**

**A**



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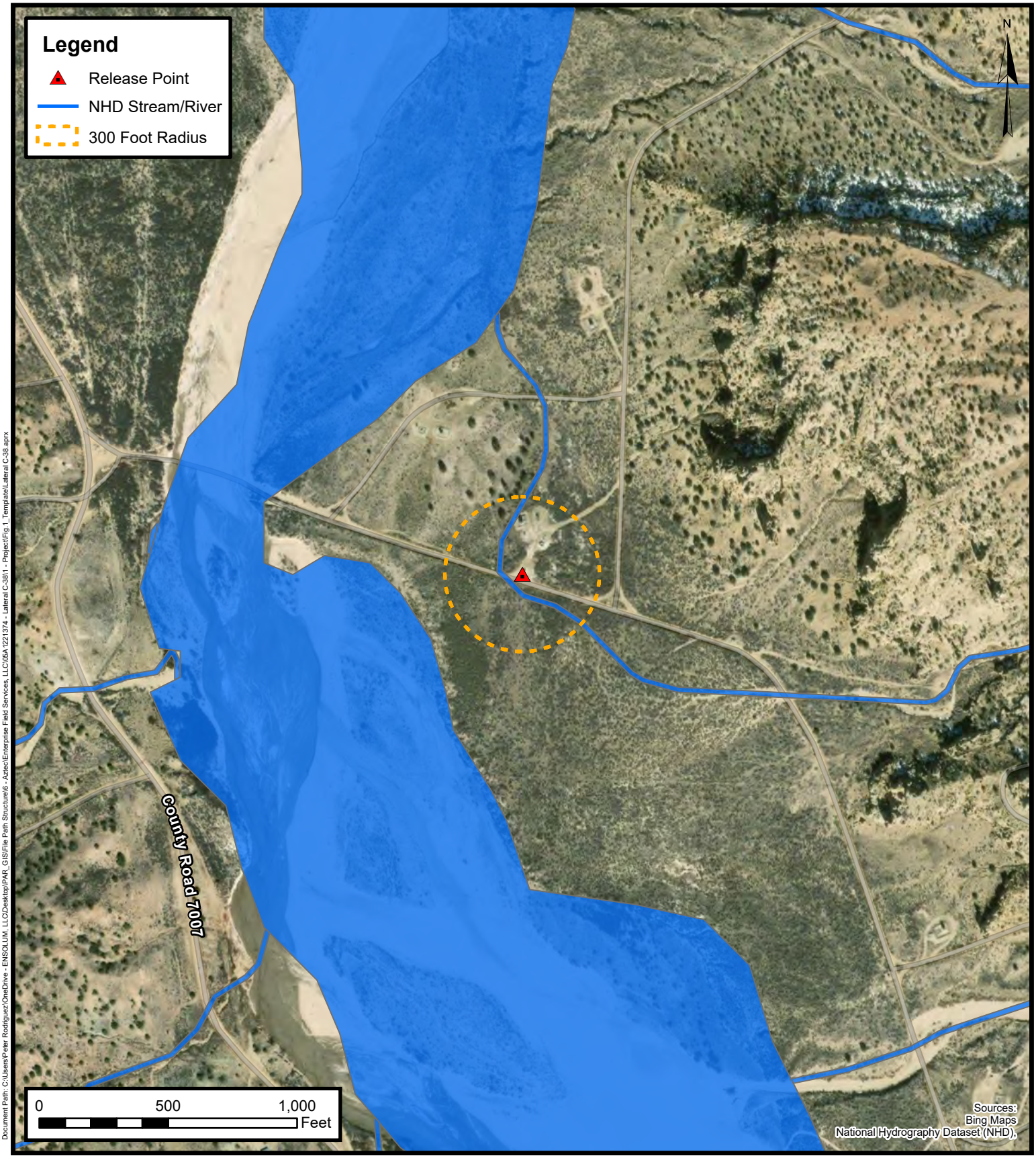
**Nearest Cathodic Protection Well(s) with Recorded Depth(s) to Water**

Enterprise Field Services, LLC
Lateral C-38
Project Number: 05A1226374
Unit Letter P, S13, T27N, R09W, San Juan County, New Mexico
36.570074, -107.734675

**FIGURE**

**B**



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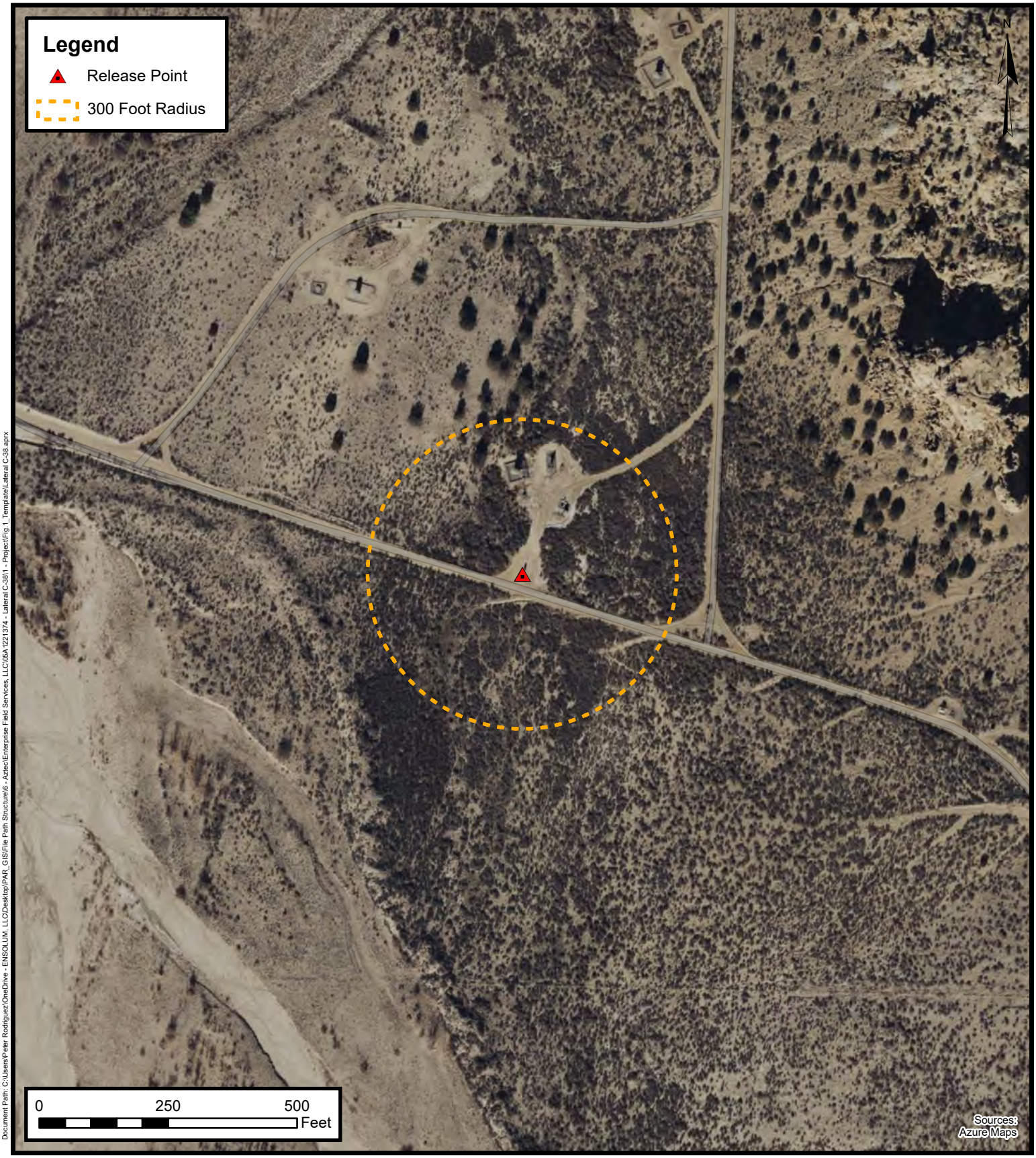
**300 Foot Radius Watercourse and Drainage Identification**
Enterprise Field Services, LLC
Lateral C-38
Project Number: 05A1226374
Unit Letter P, S13, T27N, R09W, San Juan County, New Mexico
36.570074, -107.734675

**FIGURE**
**C**

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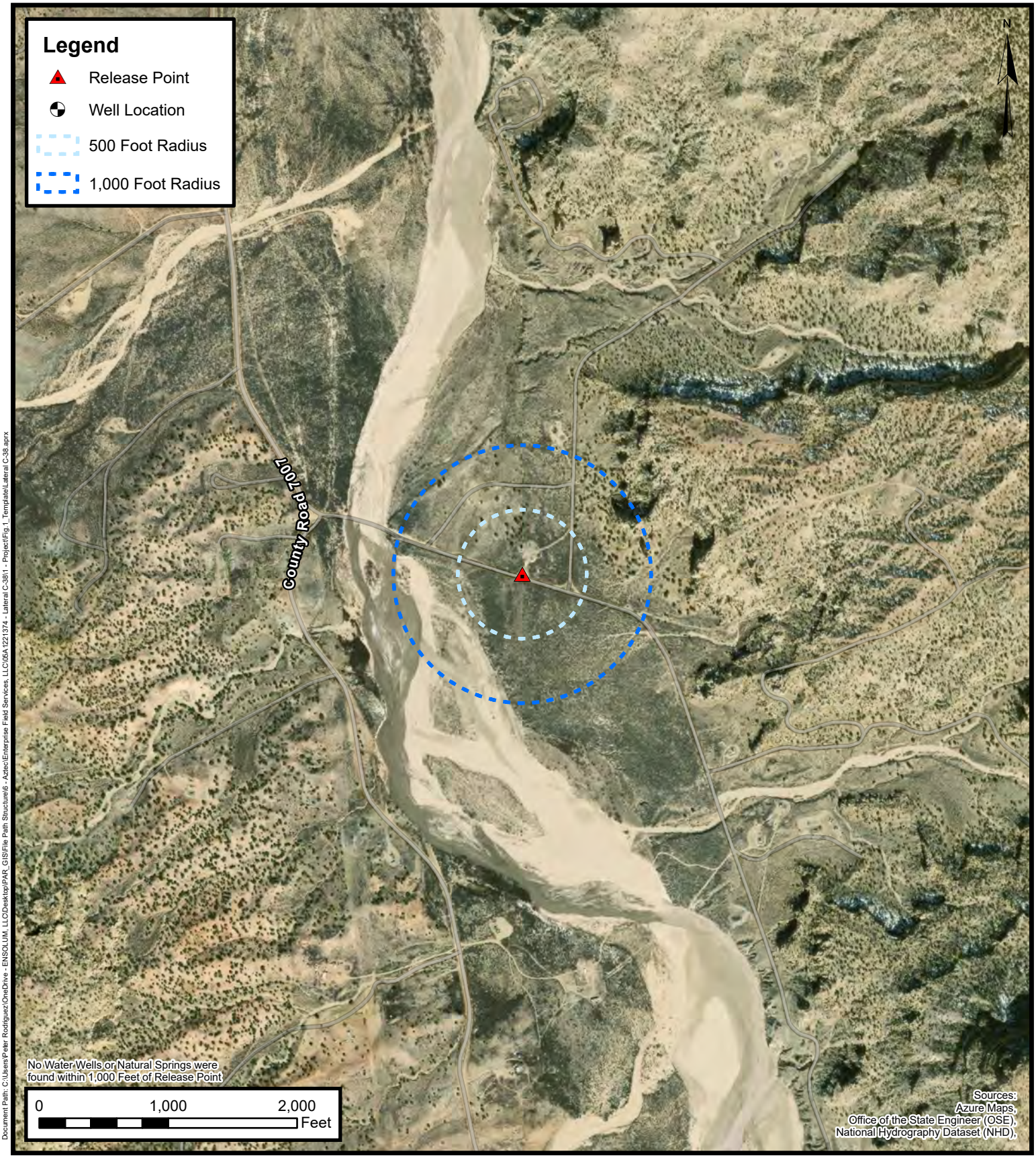
**300 Foot Radius Occupied Structure Identification**

Enterprise Field Services, LLC
Lateral C-38
Project Number: 05A1226374
Unit Letter P, S13, T27N, R09W, San Juan County, New Mexico
36.570074, -107.734675

**FIGURE**

**D**



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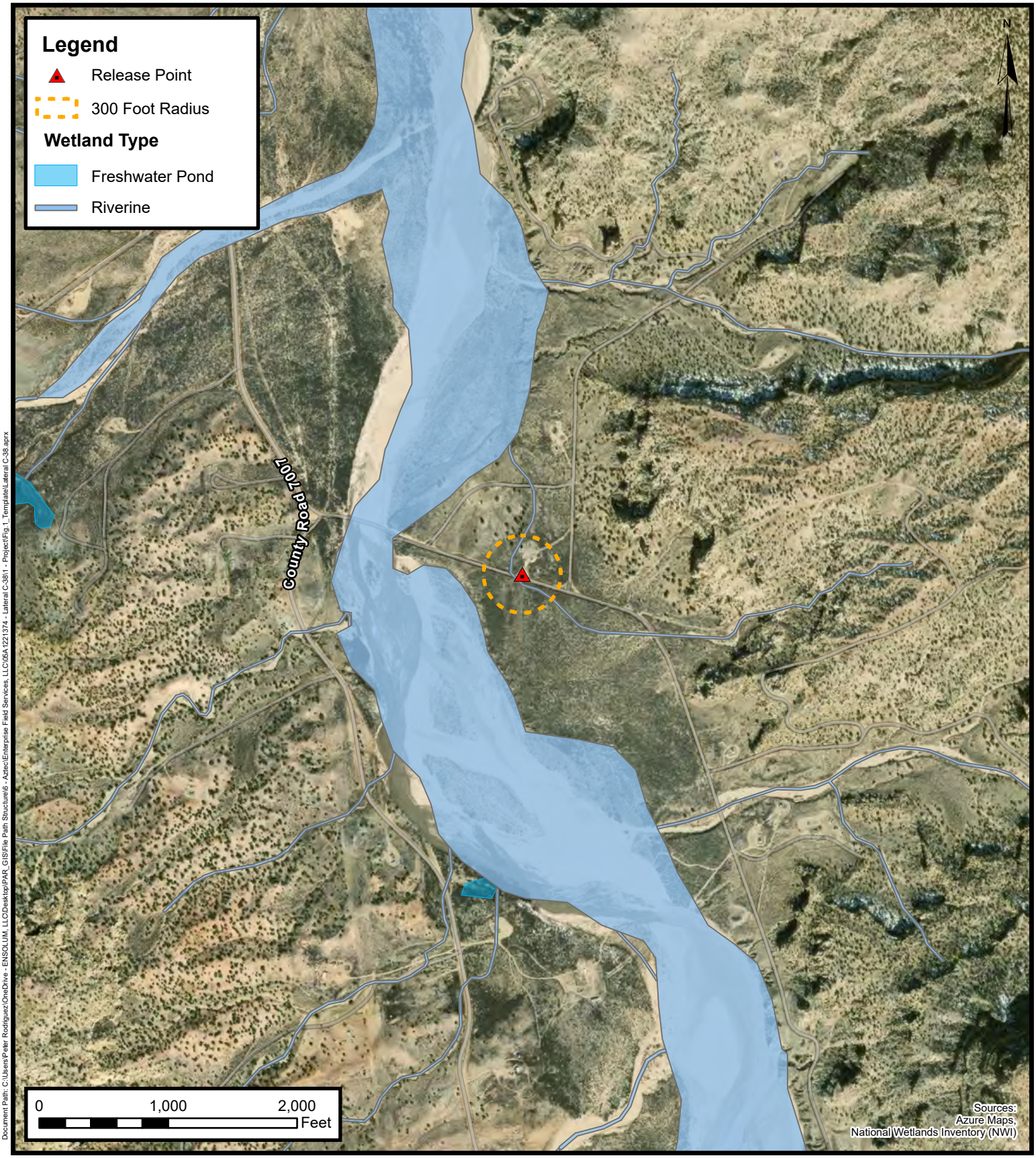
# Water Well and Natural Spring Location

Enterprise Field Services, LLC
Lateral C-38
Project Number: 05A1226374
Unit Letter P, S13, T27N, R09W, San Juan County, New Mexico
36.570074, -107.734675

**FIGURE**

**E**

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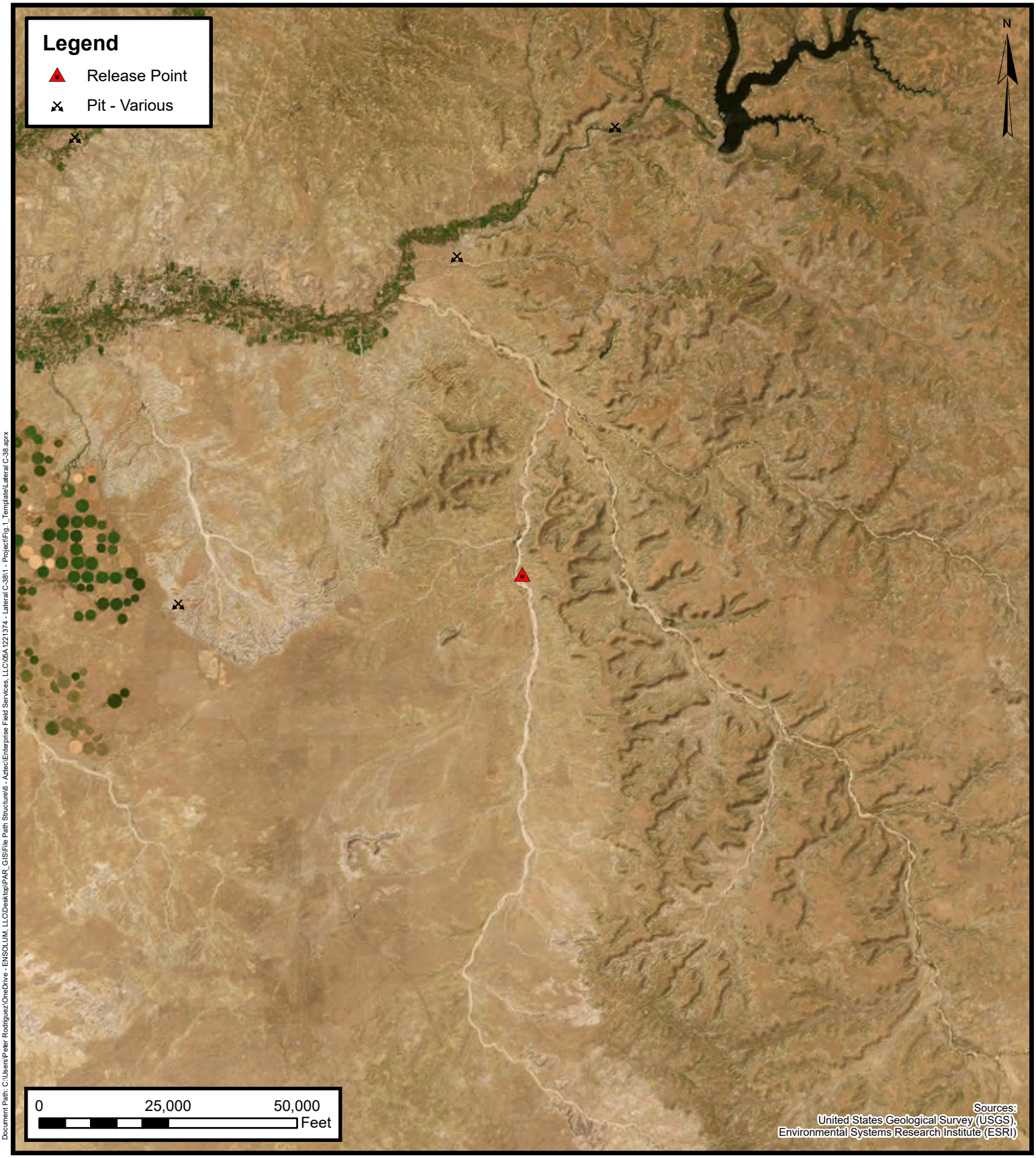
# Wetlands

Enterprise Field Services, LLC
Lateral C-38
Project Number: 05A1226374
Unit Letter P, S13, T27N, R09W, San Juan County, New Mexico
36.570074, -107.734675

FIGURE
F

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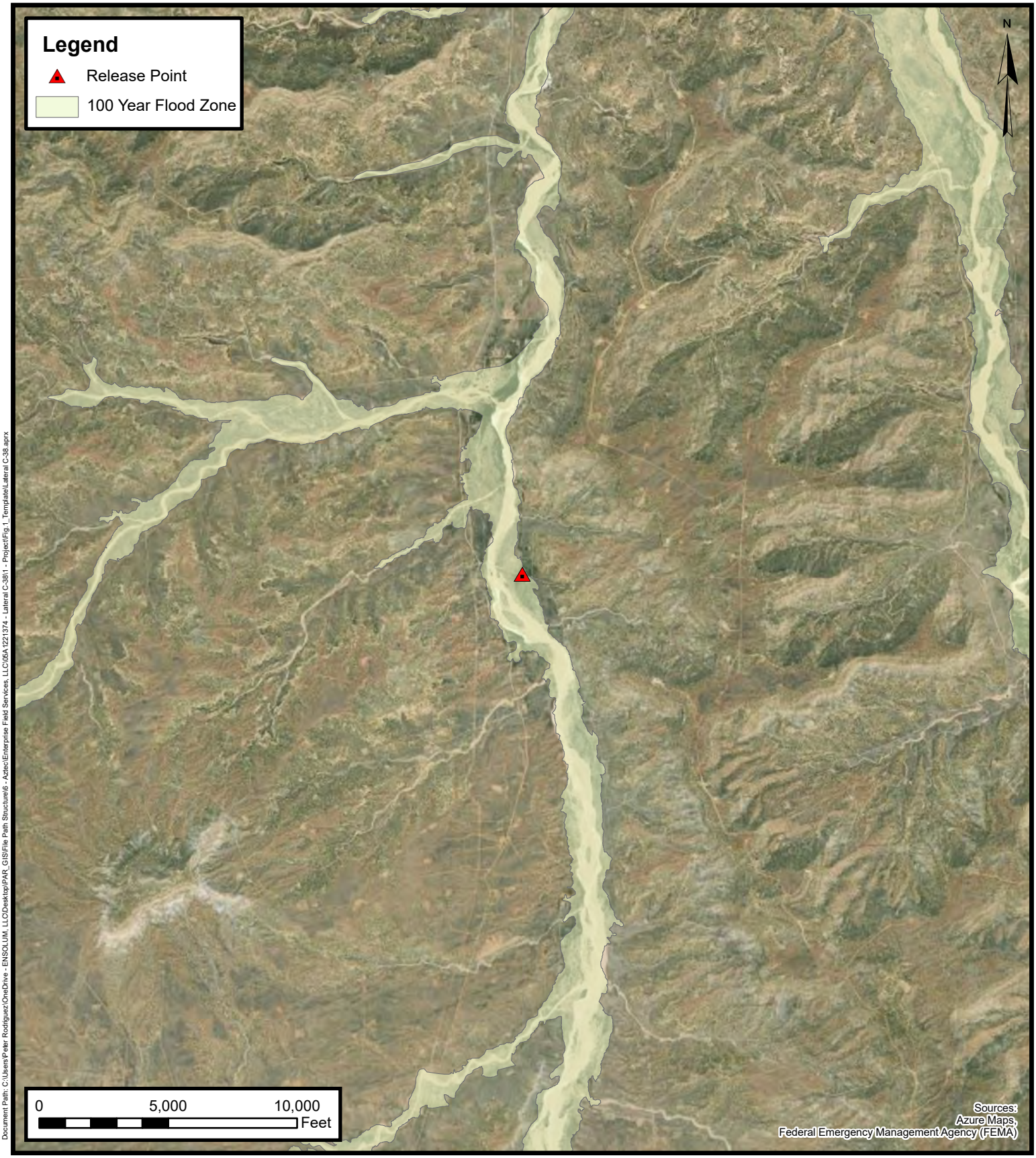
# Mines, Mills, and Quarries

Enterprise Field Services, LLC
Lateral C-38
Project Number: 05A1226374
Unit Letter P, S13, T27N, R09W, San Juan County, New Mexico
36.570074, -107.734675

**FIGURE**

**G**

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# 100-Year Flood Plain Map

Enterprise Field Services, LLC
Lateral C-38
Project Number: 05A1226374
Unit Letter P, S13, T27N, R09W, San Juan County, New Mexico
36.570074, -107.734675

FIGURE
H

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# APPENDIX C

# Executed C-138 Solid Waste Acceptance Form

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505



Form C-138
Revised 08/01/11

*Surface Waste Management Facility Operator and Generator shall maintain and make this documentation available for Division inspection.

# REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

**1. Generator Name and Address:**
**Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401**

**PayKey: AM14058**
**PM: ME Eddleman**
**AFE: Pending**

**2. Originating Site:**
**Lateral C-38**

**3. Location of Material (Street Address, City, State or ULSTR):**
**UL P Section 13 T27N R9W; 36.570052, -107.734659**

**4. Source and Description of Waste:**
**Source: Remediation activities associated with a natural gas pipeline leak.**
**Description:** Hydrocarbon/Condensate impacted soil associated natural gas pipeline release.
Estimated Volume 50 $yd^3$ / bbls Known Volume (to be entered by the operator at the end of the haul) 90/900 $yd^3$ / bbls

**5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS**

I, Thomas Long Thomas Long, representative or authorized agent for Enterprise Products Operating do hereby
**Generator Signature**
certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. ***Operator Use Only: Waste Acceptance Frequency*** ☐ ***Monthly*** ☐ ***Weekly*** ☐ ***Per Load***

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description in Box 4)

**GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS**

I, Thomas Long Thomas Long 7-3-2025, representative for Enterprise Products Operating authorizes Envirotech, Inc. to complete
**Generator Signature**
the required testing/sign the Generator Waste Testing Certification.

I, Greg Crabtree, representative for Envirotech, Inc. do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.

**5. Transporter: Riley Industrial and Other Enterprise Contractors.**

**OCD Permitted Surface Waste Management Facility**

Name and Facility Permit #: **Envirotech Inc. Soil Remediation Facility * Permit #: NM 01-0011**
Address of Facility: **Hilltop, NM**
Method of Treatment and/or Disposal:
☐ Evaporation ☐ Injection ☐ Treating Plant ☒ Landfarm ☐ Landfill ☐ Other

**Waste Acceptance Status:**

☑ **APPROVED** ☐ **DENIED** (Must Be Maintained As Permanent Record)

PRINT NAME: Greg Crabtree TITLE: Enviro Manager DATE: 7/11/25
SIGNATURE: TELEPHONE NO.:
Surface Waste Management Facility Authorized Agent 505-632-0615

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# APPENDIX D

# Photographic Documentation

# SITE PHOTOGRAPHS

Enterprise Field Services, LLC
Closure Report
Lateral C-38 Pipeline Release
Ensolum Project No. 05A1226374

ENSOLUM

| | |
|---|---|
| **Photograph 1**<br><br>Photograph Description: View of the initial excavation. |  |
| **Photograph 2**<br><br>Photograph Description: View of the in process excavation activities. |  |
| **Photograph 3**<br><br>Photograph Description: View of the in process excavation activities. |  |

## SITE PHOTOGRAPHS

Enterprise Field Services, LLC
Closure Report
Lateral C-38 Pipeline Release
Ensolum Project No. 05A1226374

ENSOLUM

| | |
|---|---|
| **Photograph 4**<br><br>Photograph Description: View of the in process excavation activities. |  |
| **Photograph 5**<br><br>Photograph Description: View of the in process excavation activities. |  |
| **Photograph 6**<br><br>Photograph Description: View of the in process excavation activities. |  |

## SITE PHOTOGRAPHS

Enterprise Field Services, LLC
Closure Report
Lateral C-38 Pipeline Release
Ensolum Project No. 05A1226374

ENSOLUM

| | |
|---|---|
| **Photograph 7**<br><br>Photograph Description: View of the final excavation. |  |
| **Photograph 8**<br><br>Photograph Description: View of the final excavation after initial restoration. |  |

ENSOLUM

# APPENDIX E

# Regulatory Correspondence

**From:** Long, Thomas
**To:** Kyle Summers; Chad D"Aponti
**Subject:** FW: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 484657
**Date:** Monday, July 14, 2025 2:40:12 PM
**Attachments:** image001.jpg

[ **EXTERNAL EMAIL**]

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

**From:** OCDOnline@state.nm.us
**Sent:** Monday, July 14, 2025 2:11 PM
**To:** Long, Thomas
**Subject:** [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 484657

[Use caution with links/attachments]

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

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2519050239.

The sampling event is expected to take place:

**When:** 07/17/2025 @ 09:00
**Where:** P-13-27N-09W 0 FNL 0 FEL (36.570052,-107.736659)

**Additional Information:** Ensolum, LLC

**Additional Instructions:** 36.570052,-107.736659

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 confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.**

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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ENSOLUM

# APPENDIX F

# Table 1 – Soil Analytical Summary

ENSOLUM

# TABLE 1
## Lateral C-38
## SOIL ANALYTICAL SUMMARY

| Sample I.D. | Date | Sample Type<br>C- Composite<br>G - Grab | Sample Depth<br>(feet) | Benzene<br>(mg/kg) | Ethylbenzene<br>(mg/kg) | Toluene<br>(mg/kg) | Xylenes<br>(mg/kg) | Total BTEX[1]<br>(mg/kg) | TPH GRO<br>(mg/kg) | TPH DRO<br>(mg/kg) | TPH MRO<br>(mg/kg) | Total Combined TPH (GRO/DRO/MRO)[1]<br>(mg/kg) | Chloride<br>(mg/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **New Mexico Energy, Mineral & Natural Resources Department<br>Oil Conservation Division Closure Criteria<br>(Tier I)** | | | | **10** | **NE** | **NE** | **NE** | **50** | **NE** | **NE** | **NE** | **100** | **600** |
| **Removed Excavation Composite Soil Samples** | | | | | | | | | | | | | |
| S-10 | 7.17.25 | C | 0 to 10 | 0.056 | 0.29 | 0.78 | 1.1 | 2.2 | 98 | 680 | 280 | **1,100** | <60 |
| S-11 | 7.17.25 | C | 0 to 10 | 0.031 | 0.24 | 0.59 | 1.0 | 1.9 | 84 | 2,200 | 950 | **3,200** | <60 |
| **Excavation Composite Soil Samples** | | | | | | | | | | | | | |
| S-1 | 7.17.25 | C | 10 | <0.014 | <0.029 | <0.029 | <0.057 | ND | <2.9 | <9.3 | <46 | ND | <60 |
| S-2 | 7.17.25 | C | 10 | <0.016 | <0.032 | <0.032 | <0.064 | ND | <3.2 | <9.7 | <49 | ND | <60 |
| S-3 | 7.17.25 | C | 10 | <0.013 | <0.027 | <0.027 | <0.054 | ND | <2.7 | <9.7 | <48 | ND | <60 |
| S-4 | 7.17.25 | C | 0 to 10 | <0.016 | <0.032 | <0.032 | <0.063 | ND | <3.2 | <9.9 | <49 | ND | <60 |
| S-5 | 7.17.25 | C | 0 to 10 | <0.014 | <0.028 | <0.028 | <0.056 | ND | <2.8 | <9.8 | <49 | ND | <60 |
| S-6 | 7.17.25 | C | 0 to 10 | <0.018 | <0.036 | <0.036 | <0.071 | ND | <3.6 | <10 | <50 | ND | <60 |
| S-7 | 7.17.25 | C | 0 to 10 | <0.018 | <0.035 | <0.035 | <0.070 | ND | <3.5 | <9.7 | <49 | ND | <60 |
| S-8 | 7.17.25 | C | 0 to 10 | <0.019 | <0.039 | <0.039 | <0.077 | ND | <3.9 | <9.7 | <48 | ND | 93 |
| S-9 | 7.17.25 | C | 0 to 10 | <0.020 | <0.041 | <0.041 | <0.082 | ND | <4.1 | <9.7 | <48 | ND | 92 |
| S-10a | 7.22.25 | C | 0 to 10 | <0.020 | <0.040 | <0.040 | <0.080 | ND | <4.0 | <9.9 | <49 | ND | 97 |
| S-11a | 7.22.25 | C | 0 to 10 | <0.018 | <0.036 | <0.036 | <0.071 | ND | <3.6 | <9.8 | <49 | ND | 85 |
| S-12 | 7.22.25 | C | 10 | <0.016 | <0.32 | <0.32 | <0.064 | ND | <3.2 | <9.9 | <50 | ND | <60 |
| S-13 | 7.22.25 | C | 10 | <0.018 | <0.036 | <0.036 | <0.072 | ND | <3.6 | <9.7 | <48 | ND | <60 |
| S-14 | 7.22.25 | C | 10 | <0.015 | <0.030 | <0.030 | <0.060 | ND | <3.0 | <9.8 | <49 | ND | <60 |
| S-15 | 7.22.25 | C | 0 to 10 | <0.017 | <0.035 | <0.035 | <0.069 | ND | <3.5 | <9.9 | <50 | ND | <60 |
| S-16 | 7.22.25 | C | 0 to 10 | <0.018 | <0.036 | <0.036 | <0.073 | ND | <3.6 | <10 | <50 | ND | <60 |
| **Backfill Composite Soil Sample** | | | | | | | | | | | | | |
| BF-1 | 7.22.25 | C | BF | <0.016 | <0.032 | <0.032 | <0.064 | ND | <3.3 | <9.9 | <49 | ND | <61 |

*Note: Concentrations in **bold** and yellow exceed the applicable NM EMNRD Closure Criteria*

[1] *= Total combined concentrations are rounded to two (2) or three (3) significant figures (depending on which laboratory was used) to match the laboratory resolution of the individual constituents.*

*ND = Not Detected above the Practical Quantitation Limits (PQLs) or Reporting Limits (RLs)*

*NE = Not established*

*mg/kg = milligrams per kilogram*

ENSOLUM

# TABLE 1
## Lateral C-38
### SOIL ANALYTICAL SUMMARY

| Sample I.D. | Date | Sample Type<br>C- Composite<br>G - Grab | Sample Depth<br>(feet) | Benzene<br>(mg/kg) | Ethylbenzene<br>(mg/kg) | Toluene<br>(mg/kg) | Xylenes<br>(mg/kg) | Total BTEX[1]<br>(mg/kg) | TPH GRO<br>(mg/kg) | TPH DRO<br>(mg/kg) | TPH MRO<br>(mg/kg) | Total Combined TPH (GRO/DRO/MRO)[1]<br>(mg/kg) | Chloride<br>(mg/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| New Mexico Energy, Mineral & Natural Resources Department<br>Oil Conservation Division Closure Criteria<br>(Tier I) | | | | 10 | NE | NE | NE | 50 | NE | NE | NE | 100 | 600 |

*BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes*

*TPH = Total Petroleum Hydrocarbons*

*GRO = Gasoline Range Organics*

*DRO = Diesel Range Organics*

*MRO = Motor Oil/Lube Oil Range Organics*

*BF = Backfill sample*

ENSOLUM

# APPENDIX G

# Laboratory Data Sheets & Chain of Custody Documentation

eurofins | Environment Testing



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Kyle Summers
Ensolum
606 S Rio Grande
Suite A
Aztec, New Mexico 87410

Generated 10/15/2025 2:01:16 PM Revision 2

## JOB DESCRIPTION

Lateral C-38

## JOB NUMBER

885-29072-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

# Eurofins Albuquerque

## Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

## Authorization

Generated
10/15/2025 2:01:16 PM
Revision 2

Authorized for release by
John Caldwell, Project Manager
john.caldwell@et.eurofinsus.com
(505)345-3975

Client: Ensolum
Project/Site: Lateral C-38

Laboratory Job ID: 885-29072-1

# Table of Contents

# Definitions/Glossary

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29072-1

## Qualifiers

### GC VOA

| Qualifier | Qualifier Description |
|---|---|
| S1+ | Surrogate recovery exceeds control limits, high biased. |

### GC Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| D | Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D. |
| S1- | Surrogate recovery exceeds control limits, low biased. |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ☼ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

# Case Narrative

Client: Ensolum
Project: Lateral C-38

Job ID: 885-29072-1

## Job ID: 885-29072-1 Eurofins Albuquerque

**Job Narrative**
**885-29072-1**

REVISION

The report being provided is a revision of the original report sent on 7/22/2025. The report (revision 2) is being revised due to Client updated the project name for this job. Updated COC and report reflected.

Report revision history
Revision 1 - 7/25/2025 - Reason - Updated COC sent by client replacing the original COC submitted with samples.

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

**Receipt**
The samples were received on 7/18/2025 6:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.3°C.

**Gasoline Range Organics**
Method 8015D_GRO: 4-Bromofluorobenzene Surrogate recovered high outside of control limits for the following samples: (CCV 885-30392/2), (CCV 885-30392/24) and (LCS 885-30386/2-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**GC VOA**
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**Diesel Range Organics**
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**HPLC/IC**
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

# Client Sample Results

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29072-1

## Client Sample ID: S-1
**Date Collected: 07/17/25 09:00**
**Date Received: 07/18/25 06:15**

## Lab Sample ID: 885-29072-1
**Matrix: Solid**

### Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics [C6 - C10] | ND | | 2.9 | | mg/Kg | | 07/18/25 10:08 | 07/18/25 12:40 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *99* | | *15 - 150* | *07/18/25 10:08* | *07/18/25 12:40* | *1* |

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | 0.014 | | mg/Kg | | 07/18/25 10:08 | 07/18/25 12:40 | 1 |
| Ethylbenzene | ND | | 0.029 | | mg/Kg | | 07/18/25 10:08 | 07/18/25 12:40 | 1 |
| Toluene | ND | | 0.029 | | mg/Kg | | 07/18/25 10:08 | 07/18/25 12:40 | 1 |
| Xylenes, Total | ND | | 0.057 | | mg/Kg | | 07/18/25 10:08 | 07/18/25 12:40 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *90* | | *15 - 150* | *07/18/25 10:08* | *07/18/25 12:40* | *1* |

### Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics [C10-C28] | ND | | 9.3 | | mg/Kg | | 07/18/25 09:50 | 07/18/25 13:05 | 1 |
| Motor Oil Range Organics [C28-C40] | ND | | 46 | | mg/Kg | | 07/18/25 09:50 | 07/18/25 13:05 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Di-n-octyl phthalate (Surr)* | *98* | | *62 - 134* | *07/18/25 09:50* | *07/18/25 13:05* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | | 60 | | mg/Kg | | 07/18/25 10:51 | 07/18/25 11:47 | 20 |

# Client Sample Results

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29072-1

## Client Sample ID: S-2
**Date Collected: 07/17/25 09:05**
**Date Received: 07/18/25 06:15**

## Lab Sample ID: 885-29072-2
**Matrix: Solid**

### Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics [C6 - C10] | ND | | 3.2 | | mg/Kg | | 07/18/25 10:08 | 07/18/25 13:04 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *99* | | *15 - 150* | *07/18/25 10:08* | *07/18/25 13:04* | *1* |

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | 0.016 | | mg/Kg | | 07/18/25 10:08 | 07/18/25 13:04 | 1 |
| Ethylbenzene | ND | | 0.032 | | mg/Kg | | 07/18/25 10:08 | 07/18/25 13:04 | 1 |
| Toluene | ND | | 0.032 | | mg/Kg | | 07/18/25 10:08 | 07/18/25 13:04 | 1 |
| Xylenes, Total | ND | | 0.064 | | mg/Kg | | 07/18/25 10:08 | 07/18/25 13:04 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *91* | | *15 - 150* | *07/18/25 10:08* | *07/18/25 13:04* | *1* |

### Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics [C10-C28] | ND | | 9.7 | | mg/Kg | | 07/18/25 09:50 | 07/18/25 13:15 | 1 |
| Motor Oil Range Organics [C28-C40] | ND | | 49 | | mg/Kg | | 07/18/25 09:50 | 07/18/25 13:15 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Di-n-octyl phthalate (Surr)* | *98* | | *62 - 134* | *07/18/25 09:50* | *07/18/25 13:15* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | | 60 | | mg/Kg | | 07/18/25 10:51 | 07/18/25 11:57 | 20 |

# Client Sample Results

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29072-1

## Client Sample ID: S-3
**Date Collected: 07/17/25 09:10**
**Date Received: 07/18/25 06:15**

## Lab Sample ID: 885-29072-3
**Matrix: Solid**

### Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics [C6 - C10] | ND | | 2.7 | | mg/Kg | | 07/18/25 10:08 | 07/18/25 13:28 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *101* | | *15 - 150* | *07/18/25 10:08* | *07/18/25 13:28* | *1* |

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | 0.013 | | mg/Kg | | 07/18/25 10:08 | 07/18/25 13:28 | 1 |
| Ethylbenzene | ND | | 0.027 | | mg/Kg | | 07/18/25 10:08 | 07/18/25 13:28 | 1 |
| Toluene | ND | | 0.027 | | mg/Kg | | 07/18/25 10:08 | 07/18/25 13:28 | 1 |
| Xylenes, Total | ND | | 0.054 | | mg/Kg | | 07/18/25 10:08 | 07/18/25 13:28 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *92* | | *15 - 150* | *07/18/25 10:08* | *07/18/25 13:28* | *1* |

### Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics [C10-C28] | ND | | 9.7 | | mg/Kg | | 07/18/25 09:50 | 07/18/25 13:26 | 1 |
| Motor Oil Range Organics [C28-C40] | ND | | 48 | | mg/Kg | | 07/18/25 09:50 | 07/18/25 13:26 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Di-n-octyl phthalate (Surr)* | *105* | | *62 - 134* | *07/18/25 09:50* | *07/18/25 13:26* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | | 60 | | mg/Kg | | 07/18/25 10:51 | 07/18/25 12:08 | 20 |

# Client Sample Results

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29072-1

## Client Sample ID: S-4
**Date Collected: 07/17/25 09:15**
**Date Received: 07/18/25 06:15**

## Lab Sample ID: 885-29072-4
**Matrix: Solid**

### Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics [C6 - C10] | ND | | 3.2 | | mg/Kg | | 07/18/25 10:08 | 07/18/25 13:51 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *103* | | *15 - 150* | *07/18/25 10:08* | *07/18/25 13:51* | *1* |

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | 0.016 | | mg/Kg | | 07/18/25 10:08 | 07/18/25 13:51 | 1 |
| Ethylbenzene | ND | | 0.032 | | mg/Kg | | 07/18/25 10:08 | 07/18/25 13:51 | 1 |
| Toluene | ND | | 0.032 | | mg/Kg | | 07/18/25 10:08 | 07/18/25 13:51 | 1 |
| Xylenes, Total | ND | | 0.063 | | mg/Kg | | 07/18/25 10:08 | 07/18/25 13:51 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *94* | | *15 - 150* | *07/18/25 10:08* | *07/18/25 13:51* | *1* |

### Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics [C10-C28] | ND | | 9.9 | | mg/Kg | | 07/18/25 09:50 | 07/18/25 13:37 | 1 |
| Motor Oil Range Organics [C28-C40] | ND | | 49 | | mg/Kg | | 07/18/25 09:50 | 07/18/25 13:37 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Di-n-octyl phthalate (Surr)* | *106* | | *62 - 134* | *07/18/25 09:50* | *07/18/25 13:37* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | | 60 | | mg/Kg | | 07/18/25 10:51 | 07/18/25 12:18 | 20 |

# Client Sample Results

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29072-1

## Client Sample ID: S-5
**Date Collected: 07/17/25 09:20**
**Date Received: 07/18/25 06:15**

## Lab Sample ID: 885-29072-5
**Matrix: Solid**

### Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics [C6 - C10] | ND | | 2.8 | | mg/Kg | | 07/18/25 10:08 | 07/18/25 14:15 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *103* | | *15 - 150* | *07/18/25 10:08* | *07/18/25 14:15* | *1* |

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | 0.014 | | mg/Kg | | 07/18/25 10:08 | 07/18/25 14:15 | 1 |
| Ethylbenzene | ND | | 0.028 | | mg/Kg | | 07/18/25 10:08 | 07/18/25 14:15 | 1 |
| Toluene | ND | | 0.028 | | mg/Kg | | 07/18/25 10:08 | 07/18/25 14:15 | 1 |
| Xylenes, Total | ND | | 0.056 | | mg/Kg | | 07/18/25 10:08 | 07/18/25 14:15 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *93* | | *15 - 150* | *07/18/25 10:08* | *07/18/25 14:15* | *1* |

### Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics [C10-C28] | ND | | 9.8 | | mg/Kg | | 07/18/25 09:50 | 07/18/25 13:48 | 1 |
| Motor Oil Range Organics [C28-C40] | ND | | 49 | | mg/Kg | | 07/18/25 09:50 | 07/18/25 13:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Di-n-octyl phthalate (Surr)* | *104* | | *62 - 134* | *07/18/25 09:50* | *07/18/25 13:48* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | | 60 | | mg/Kg | | 07/18/25 10:51 | 07/18/25 12:28 | 20 |

# Client Sample Results

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29072-1

## Client Sample ID: S-6
**Date Collected: 07/17/25 09:25**
**Date Received: 07/18/25 06:15**

## Lab Sample ID: 885-29072-6
**Matrix: Solid**

### Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics [C6 - C10] | ND | | 3.6 | | mg/Kg | | 07/18/25 09:10 | 07/18/25 11:25 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *106* | | *15 - 150* | *07/18/25 09:10* | *07/18/25 11:25* | *1* |

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | 0.018 | | mg/Kg | | 07/18/25 09:10 | 07/18/25 11:25 | 1 |
| Ethylbenzene | ND | | 0.036 | | mg/Kg | | 07/18/25 09:10 | 07/18/25 11:25 | 1 |
| Toluene | ND | | 0.036 | | mg/Kg | | 07/18/25 09:10 | 07/18/25 11:25 | 1 |
| Xylenes, Total | ND | | 0.071 | | mg/Kg | | 07/18/25 09:10 | 07/18/25 11:25 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *95* | | *15 - 150* | *07/18/25 09:10* | *07/18/25 11:25* | *1* |

### Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics [C10-C28] | ND | | 10 | | mg/Kg | | 07/18/25 09:50 | 07/18/25 13:59 | 1 |
| Motor Oil Range Organics [C28-C40] | ND | | 50 | | mg/Kg | | 07/18/25 09:50 | 07/18/25 13:59 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Di-n-octyl phthalate (Surr)* | *109* | | *62 - 134* | *07/18/25 09:50* | *07/18/25 13:59* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | | 60 | | mg/Kg | | 07/18/25 10:51 | 07/18/25 12:39 | 20 |

# Client Sample Results

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29072-1

## Client Sample ID: S-7
**Date Collected: 07/17/25 09:30**
**Date Received: 07/18/25 06:15**

## Lab Sample ID: 885-29072-7
**Matrix: Solid**

### Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics [C6 - C10] | ND | | 3.5 | | mg/Kg | | 07/18/25 09:10 | 07/18/25 11:47 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *104* | | *15 - 150* | *07/18/25 09:10* | *07/18/25 11:47* | *1* |

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | 0.018 | | mg/Kg | | 07/18/25 09:10 | 07/18/25 11:47 | 1 |
| Ethylbenzene | ND | | 0.035 | | mg/Kg | | 07/18/25 09:10 | 07/18/25 11:47 | 1 |
| Toluene | ND | | 0.035 | | mg/Kg | | 07/18/25 09:10 | 07/18/25 11:47 | 1 |
| Xylenes, Total | ND | | 0.070 | | mg/Kg | | 07/18/25 09:10 | 07/18/25 11:47 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *95* | | *15 - 150* | *07/18/25 09:10* | *07/18/25 11:47* | *1* |

### Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics [C10-C28] | ND | | 9.7 | | mg/Kg | | 07/18/25 09:50 | 07/18/25 14:10 | 1 |
| Motor Oil Range Organics [C28-C40] | ND | | 49 | | mg/Kg | | 07/18/25 09:50 | 07/18/25 14:10 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Di-n-octyl phthalate (Surr)* | *108* | | *62 - 134* | *07/18/25 09:50* | *07/18/25 14:10* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | | 60 | | mg/Kg | | 07/18/25 10:51 | 07/18/25 13:10 | 20 |

# Client Sample Results

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29072-1

## Client Sample ID: S-8
**Date Collected: 07/17/25 09:35**
**Date Received: 07/18/25 06:15**

## Lab Sample ID: 885-29072-8
**Matrix: Solid**

### Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics [C6 - C10] | ND | | 3.9 | | mg/Kg | | 07/18/25 09:10 | 07/18/25 12:09 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *109* | | *15 - 150* | *07/18/25 09:10* | *07/18/25 12:09* | *1* |

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | 0.019 | | mg/Kg | | 07/18/25 09:10 | 07/18/25 12:09 | 1 |
| Ethylbenzene | ND | | 0.039 | | mg/Kg | | 07/18/25 09:10 | 07/18/25 12:09 | 1 |
| Toluene | ND | | 0.039 | | mg/Kg | | 07/18/25 09:10 | 07/18/25 12:09 | 1 |
| Xylenes, Total | ND | | 0.077 | | mg/Kg | | 07/18/25 09:10 | 07/18/25 12:09 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *97* | | *15 - 150* | *07/18/25 09:10* | *07/18/25 12:09* | *1* |

### Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics [C10-C28] | ND | | 9.7 | | mg/Kg | | 07/18/25 09:50 | 07/18/25 14:21 | 1 |
| Motor Oil Range Organics [C28-C40] | ND | | 48 | | mg/Kg | | 07/18/25 09:50 | 07/18/25 14:21 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Di-n-octyl phthalate (Surr)* | *99* | | *62 - 134* | *07/18/25 09:50* | *07/18/25 14:21* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **93** | | 60 | | mg/Kg | | 07/18/25 10:51 | 07/18/25 13:20 | 20 |

# Client Sample Results

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29072-1

## Client Sample ID: S-9
**Date Collected: 07/17/25 09:40**
**Date Received: 07/18/25 06:15**

## Lab Sample ID: 885-29072-9
**Matrix: Solid**

### Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics [C6 - C10] | ND | | 4.1 | | mg/Kg | | 07/18/25 09:10 | 07/18/25 12:30 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *111* | | *15 - 150* | *07/18/25 09:10* | *07/18/25 12:30* | *1* |

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | 0.020 | | mg/Kg | | 07/18/25 09:10 | 07/18/25 12:30 | 1 |
| Ethylbenzene | ND | | 0.041 | | mg/Kg | | 07/18/25 09:10 | 07/18/25 12:30 | 1 |
| Toluene | ND | | 0.041 | | mg/Kg | | 07/18/25 09:10 | 07/18/25 12:30 | 1 |
| Xylenes, Total | ND | | 0.082 | | mg/Kg | | 07/18/25 09:10 | 07/18/25 12:30 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *98* | | *15 - 150* | *07/18/25 09:10* | *07/18/25 12:30* | *1* |

### Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics [C10-C28] | ND | | 9.7 | | mg/Kg | | 07/18/25 09:50 | 07/18/25 12:25 | 1 |
| Motor Oil Range Organics [C28-C40] | ND | | 48 | | mg/Kg | | 07/18/25 09:50 | 07/18/25 12:25 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Di-n-octyl phthalate (Surr)* | *88* | | *62 - 134* | *07/18/25 09:50* | *07/18/25 12:25* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **92** | | 60 | | mg/Kg | | 07/18/25 10:51 | 07/18/25 13:30 | 20 |

# Client Sample Results

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29072-1

## Client Sample ID: S-10
**Date Collected: 07/17/25 09:45**
**Date Received: 07/18/25 06:15**

## Lab Sample ID: 885-29072-10
**Matrix: Solid**

### Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics [C6 - C10] | 98 | | 3.3 | | mg/Kg | | 07/18/25 09:10 | 07/18/25 13:14 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *147* | | *15 - 150* | *07/18/25 09:10* | *07/18/25 13:14* | *1* |

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.056 | | 0.016 | | mg/Kg | | 07/18/25 09:10 | 07/18/25 13:14 | 1 |
| Ethylbenzene | 0.29 | | 0.033 | | mg/Kg | | 07/18/25 09:10 | 07/18/25 13:14 | 1 |
| Toluene | 0.78 | | 0.033 | | mg/Kg | | 07/18/25 09:10 | 07/18/25 13:14 | 1 |
| Xylenes, Total | 1.1 | | 0.066 | | mg/Kg | | 07/18/25 09:10 | 07/18/25 13:14 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *117* | | *15 - 150* | *07/18/25 09:10* | *07/18/25 13:14* | *1* |

### Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics [C10-C28] | 680 | | 9.2 | | mg/Kg | | 07/18/25 09:50 | 07/18/25 12:49 | 1 |
| Motor Oil Range Organics [C28-C40] | 280 | | 46 | | mg/Kg | | 07/18/25 09:50 | 07/18/25 12:49 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Di-n-octyl phthalate (Surr)* | *86* | | *62 - 134* | *07/18/25 09:50* | *07/18/25 12:49* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | | 60 | | mg/Kg | | 07/18/25 10:51 | 07/18/25 13:41 | 20 |

# Client Sample Results

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29072-1

## Client Sample ID: S-11
**Date Collected: 07/17/25 09:50**
**Date Received: 07/18/25 06:15**

## Lab Sample ID: 885-29072-11
**Matrix: Solid**

### Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics [C6 - C10] | 84 | | 3.3 | | mg/Kg | | 07/18/25 09:10 | 07/18/25 12:52 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *153* | *S1+* | *15 - 150* | *07/18/25 09:10* | *07/18/25 12:52* | *1* |

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.031 | | 0.016 | | mg/Kg | | 07/18/25 09:10 | 07/18/25 12:52 | 1 |
| Ethylbenzene | 0.24 | | 0.033 | | mg/Kg | | 07/18/25 09:10 | 07/18/25 12:52 | 1 |
| Toluene | 0.59 | | 0.033 | | mg/Kg | | 07/18/25 09:10 | 07/18/25 12:52 | 1 |
| Xylenes, Total | 1.0 | | 0.066 | | mg/Kg | | 07/18/25 09:10 | 07/18/25 12:52 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *115* | | *15 - 150* | *07/18/25 09:10* | *07/18/25 12:52* | *1* |

### Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics [C10-C28] | 2200 | | 99 | | mg/Kg | | 07/18/25 09:50 | 07/18/25 16:11 | 10 |
| Motor Oil Range Organics [C28-C40] | 950 | | 500 | | mg/Kg | | 07/18/25 09:50 | 07/18/25 16:11 | 10 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Di-n-octyl phthalate (Surr)* | *0* | *S1- D* | *62 - 134* | *07/18/25 09:50* | *07/18/25 16:11* | *10* |

### Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | | 60 | | mg/Kg | | 07/18/25 10:51 | 07/18/25 13:51 | 20 |

# QC Sample Results

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29072-1

## Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

**Lab Sample ID: MB 885-30386/1-A**
**Matrix: Solid**
**Analysis Batch: 30392**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 30386**

| Analyte | MB Result | MB Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics [C6 - C10] | ND | | 5.0 | | mg/Kg | | 07/18/25 10:08 | 07/18/25 12:17 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *99* | | *15 - 150* | *07/18/25 10:08* | *07/18/25 12:17* | *1* |

**Lab Sample ID: LCS 885-30386/2-A**
**Matrix: Solid**
**Analysis Batch: 30392**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 30386**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics [C6 - C10] | | | 25.0 | 25.7 | | mg/Kg | | 103 | 70 - 130 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *194* | | *15 - 150* |

**Lab Sample ID: 885-29072-1 MS**
**Matrix: Solid**
**Analysis Batch: 30449**

**Client Sample ID: S-1**
**Prep Type: Total/NA**
**Prep Batch: 30386**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics [C6 - C10] | ND | | 14.3 | 13.9 | | mg/Kg | | 97 | 70 - 130 | | |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *197* | | *15 - 150* |

**Lab Sample ID: 885-29072-1 MSD**
**Matrix: Solid**
**Analysis Batch: 30449**

**Client Sample ID: S-1**
**Prep Type: Total/NA**
**Prep Batch: 30386**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics [C6 - C10] | ND | | 14.3 | 14.5 | | mg/Kg | | 102 | 70 - 130 | 5 | 20 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *196* | | *15 - 150* |

**Lab Sample ID: MB 885-30390/1-A**
**Matrix: Solid**
**Analysis Batch: 30359**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 30390**

| Analyte | MB Result | MB Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics [C6 - C10] | ND | | 5.0 | | mg/Kg | | 07/18/25 09:10 | 07/18/25 11:03 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *107* | | *15 - 150* | *07/18/25 09:10* | *07/18/25 11:03* | *1* |

# QC Sample Results

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29072-1

## Method: 8015M/D - Gasoline Range Organics (GRO) (GC) (Continued)

**Lab Sample ID: LCS 885-30390/2-A**
**Matrix: Solid**
**Analysis Batch: 30359**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 30390**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics [C6 - C10] | | | 25.0 | 28.7 | | mg/Kg | | 115 | 70 - 130 | | |
| Gasoline Range Organics [C6 - C10] | | | 25.0 | 28.7 | | mg/Kg | | 115 | 70 - 130 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *217* | | *15 - 150* |
| *4-Bromofluorobenzene (Surr)* | *217* | | *15 - 150* |

**Lab Sample ID: 885-29072-6 MS**
**Matrix: Solid**
**Analysis Batch: 30441**

**Client Sample ID: S-6**
**Prep Type: Total/NA**
**Prep Batch: 30390**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics [C6 - C10] | ND | | 17.8 | 20.2 | | mg/Kg | | 114 | 70 - 130 | | |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *217* | | *15 - 150* |

**Lab Sample ID: 885-29072-6 MSD**
**Matrix: Solid**
**Analysis Batch: 30441**

**Client Sample ID: S-6**
**Prep Type: Total/NA**
**Prep Batch: 30390**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics [C6 - C10] | ND | | 17.8 | 19.2 | | mg/Kg | | 108 | 70 - 130 | 5 | 20 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *210* | | *15 - 150* |

## Method: 8021B - Volatile Organic Compounds (GC)

**Lab Sample ID: MB 885-30386/1-A**
**Matrix: Solid**
**Analysis Batch: 30393**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 30386**

| Analyte | MB Result | MB Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | 0.025 | | mg/Kg | | 07/18/25 10:08 | 07/18/25 12:17 | 1 |
| Ethylbenzene | ND | | 0.050 | | mg/Kg | | 07/18/25 10:08 | 07/18/25 12:17 | 1 |
| Toluene | ND | | 0.050 | | mg/Kg | | 07/18/25 10:08 | 07/18/25 12:17 | 1 |
| Xylenes, Total | ND | | 0.10 | | mg/Kg | | 07/18/25 10:08 | 07/18/25 12:17 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *91* | | *15 - 150* | *07/18/25 10:08* | *07/18/25 12:17* | *1* |

# QC Sample Results

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29072-1

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: LCS 885-30386/3-A**
**Matrix: Solid**
**Analysis Batch: 30393**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 30386**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 1.00 | 0.844 | | mg/Kg | | 84 | 70 - 130 | | |
| Ethylbenzene | | | 1.00 | 0.866 | | mg/Kg | | 87 | 70 - 130 | | |
| Toluene | | | 1.00 | 0.858 | | mg/Kg | | 86 | 70 - 130 | | |
| Xylenes, Total | | | 3.00 | 2.68 | | mg/Kg | | 89 | 70 - 130 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *92* | | *15 - 150* |

**Lab Sample ID: 885-29072-2 MS**
**Matrix: Solid**
**Analysis Batch: 30450**

**Client Sample ID: S-2**
**Prep Type: Total/NA**
**Prep Batch: 30386**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | 0.637 | 0.540 | | mg/Kg | | 85 | 70 - 130 | | |
| Ethylbenzene | ND | | 0.637 | 0.557 | | mg/Kg | | 88 | 70 - 130 | | |
| Toluene | ND | | 0.637 | 0.552 | | mg/Kg | | 87 | 70 - 130 | | |
| Xylenes, Total | ND | | 1.91 | 1.74 | | mg/Kg | | 91 | 70 - 130 | | |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *95* | | *15 - 150* |

**Lab Sample ID: 885-29072-2 MSD**
**Matrix: Solid**
**Analysis Batch: 30450**

**Client Sample ID: S-2**
**Prep Type: Total/NA**
**Prep Batch: 30386**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | 0.637 | 0.517 | | mg/Kg | | 81 | 70 - 130 | 4 | 20 |
| Ethylbenzene | ND | | 0.637 | 0.529 | | mg/Kg | | 83 | 70 - 130 | 5 | 20 |
| Toluene | ND | | 0.637 | 0.521 | | mg/Kg | | 82 | 70 - 130 | 6 | 20 |
| Xylenes, Total | ND | | 1.91 | 1.66 | | mg/Kg | | 87 | 70 - 130 | 4 | 20 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *96* | | *15 - 150* |

**Lab Sample ID: MB 885-30390/1-A**
**Matrix: Solid**
**Analysis Batch: 30360**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 30390**

| Analyte | MB Result | MB Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | 0.025 | | mg/Kg | | 07/18/25 09:10 | 07/18/25 11:03 | 1 |
| Ethylbenzene | ND | | 0.050 | | mg/Kg | | 07/18/25 09:10 | 07/18/25 11:03 | 1 |
| Toluene | ND | | 0.050 | | mg/Kg | | 07/18/25 09:10 | 07/18/25 11:03 | 1 |
| Xylenes, Total | ND | | 0.10 | | mg/Kg | | 07/18/25 09:10 | 07/18/25 11:03 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *98* | | *15 - 150* | *07/18/25 09:10* | *07/18/25 11:03* | *1* |

# QC Sample Results

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29072-1

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: LCS 885-30390/3-A**
**Matrix: Solid**
**Analysis Batch: 30360**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 30390**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 1.00 | 0.937 | | mg/Kg | | 94 | 70 - 130 | | |
| Ethylbenzene | | | 1.00 | 0.965 | | mg/Kg | | 97 | 70 - 130 | | |
| Toluene | | | 1.00 | 0.936 | | mg/Kg | | 94 | 70 - 130 | | |
| Xylenes, Total | | | 3.00 | 2.95 | | mg/Kg | | 98 | 70 - 130 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *99* | | *15 - 150* |

**Lab Sample ID: 885-29072-7 MS**
**Matrix: Solid**
**Analysis Batch: 30442**

**Client Sample ID: S-7**
**Prep Type: Total/NA**
**Prep Batch: 30390**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | 0.705 | 0.596 | | mg/Kg | | 85 | 70 - 130 | | |
| Ethylbenzene | ND | | 0.705 | 0.622 | | mg/Kg | | 88 | 70 - 130 | | |
| Toluene | ND | | 0.705 | 0.595 | | mg/Kg | | 84 | 70 - 130 | | |
| Xylenes, Total | ND | | 2.11 | 1.89 | | mg/Kg | | 89 | 70 - 130 | | |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *95* | | *15 - 150* |

**Lab Sample ID: 885-29072-7 MSD**
**Matrix: Solid**
**Analysis Batch: 30442**

**Client Sample ID: S-7**
**Prep Type: Total/NA**
**Prep Batch: 30390**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | 0.705 | 0.583 | | mg/Kg | | 83 | 70 - 130 | 2 | 20 |
| Ethylbenzene | ND | | 0.705 | 0.598 | | mg/Kg | | 85 | 70 - 130 | 4 | 20 |
| Toluene | ND | | 0.705 | 0.580 | | mg/Kg | | 82 | 70 - 130 | 3 | 20 |
| Xylenes, Total | ND | | 2.11 | 1.84 | | mg/Kg | | 87 | 70 - 130 | 3 | 20 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *93* | | *15 - 150* |

## Method: 8015M/D - Diesel Range Organics (DRO) (GC)

**Lab Sample ID: MB 885-30381/1-A**
**Matrix: Solid**
**Analysis Batch: 30397**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 30381**

| Analyte | MB Result | MB Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics [C10-C28] | ND | | 10 | | mg/Kg | | 07/18/25 09:50 | 07/18/25 12:43 | 1 |
| Motor Oil Range Organics [C28-C40] | ND | | 50 | | mg/Kg | | 07/18/25 09:50 | 07/18/25 12:43 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Di-n-octyl phthalate (Surr)* | *93* | | *62 - 134* | *07/18/25 09:50* | *07/18/25 12:43* | *1* |

# QC Sample Results

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29072-1

## Method: 8015M/D - Diesel Range Organics (DRO) (GC) (Continued)

**Lab Sample ID: LCS 885-30381/2-A**
**Matrix: Solid**
**Analysis Batch: 30397**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 30381**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics [C10-C28] | | | 50.0 | 46.3 | | mg/Kg | | 93 | 51 - 148 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *Di-n-octyl phthalate (Surr)* | *99* | | *62 - 134* |

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 885-30394/1-A**
**Matrix: Solid**
**Analysis Batch: 30377**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 30394**

| Analyte | MB Result | MB Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | | 1.5 | | mg/Kg | | 07/18/25 10:51 | 07/18/25 11:20 | 1 |

**Lab Sample ID: LCS 885-30394/2-A**
**Matrix: Solid**
**Analysis Batch: 30377**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 30394**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | | | 15.0 | 14.8 | | mg/Kg | | 99 | 90 - 110 | | |

**Lab Sample ID: 885-29072-11 MS**
**Matrix: Solid**
**Analysis Batch: 30377**

**Client Sample ID: S-11**
**Prep Type: Total/NA**
**Prep Batch: 30394**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | | 29.8 | ND | | mg/Kg | | NC | 50 - 150 | | |

**Lab Sample ID: 885-29072-11 MSD**
**Matrix: Solid**
**Analysis Batch: 30377**

**Client Sample ID: S-11**
**Prep Type: Total/NA**
**Prep Batch: 30394**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | | 30.1 | ND | | mg/Kg | | NC | 50 - 150 | NC | 20 |

# QC Association Summary

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29072-1

## GC VOA

### Analysis Batch: 30359

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-29072-6 | S-6 | Total/NA | Solid | 8015M/D | 30390 |
| 885-29072-7 | S-7 | Total/NA | Solid | 8015M/D | 30390 |
| 885-29072-8 | S-8 | Total/NA | Solid | 8015M/D | 30390 |
| 885-29072-9 | S-9 | Total/NA | Solid | 8015M/D | 30390 |
| 885-29072-10 | S-10 | Total/NA | Solid | 8015M/D | 30390 |
| 885-29072-11 | S-11 | Total/NA | Solid | 8015M/D | 30390 |
| MB 885-30390/1-A | Method Blank | Total/NA | Solid | 8015M/D | 30390 |
| LCS 885-30390/2-A | Lab Control Sample | Total/NA | Solid | 8015M/D | 30390 |

### Analysis Batch: 30360

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-29072-6 | S-6 | Total/NA | Solid | 8021B | 30390 |
| 885-29072-7 | S-7 | Total/NA | Solid | 8021B | 30390 |
| 885-29072-8 | S-8 | Total/NA | Solid | 8021B | 30390 |
| 885-29072-9 | S-9 | Total/NA | Solid | 8021B | 30390 |
| 885-29072-10 | S-10 | Total/NA | Solid | 8021B | 30390 |
| 885-29072-11 | S-11 | Total/NA | Solid | 8021B | 30390 |
| MB 885-30390/1-A | Method Blank | Total/NA | Solid | 8021B | 30390 |
| LCS 885-30390/3-A | Lab Control Sample | Total/NA | Solid | 8021B | 30390 |

### Prep Batch: 30386

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-29072-1 | S-1 | Total/NA | Solid | 5035 | |
| 885-29072-2 | S-2 | Total/NA | Solid | 5035 | |
| 885-29072-3 | S-3 | Total/NA | Solid | 5035 | |
| 885-29072-4 | S-4 | Total/NA | Solid | 5035 | |
| 885-29072-5 | S-5 | Total/NA | Solid | 5035 | |
| MB 885-30386/1-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 885-30386/2-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCS 885-30386/3-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| 885-29072-1 MS | S-1 | Total/NA | Solid | 5035 | |
| 885-29072-1 MSD | S-1 | Total/NA | Solid | 5035 | |
| 885-29072-2 MS | S-2 | Total/NA | Solid | 5035 | |
| 885-29072-2 MSD | S-2 | Total/NA | Solid | 5035 | |

### Prep Batch: 30390

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-29072-6 | S-6 | Total/NA | Solid | 5035 | |
| 885-29072-7 | S-7 | Total/NA | Solid | 5035 | |
| 885-29072-8 | S-8 | Total/NA | Solid | 5035 | |
| 885-29072-9 | S-9 | Total/NA | Solid | 5035 | |
| 885-29072-10 | S-10 | Total/NA | Solid | 5035 | |
| 885-29072-11 | S-11 | Total/NA | Solid | 5035 | |
| MB 885-30390/1-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 885-30390/2-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCS 885-30390/3-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| 885-29072-6 MS | S-6 | Total/NA | Solid | 5035 | |
| 885-29072-6 MSD | S-6 | Total/NA | Solid | 5035 | |
| 885-29072-7 MS | S-7 | Total/NA | Solid | 5035 | |
| 885-29072-7 MSD | S-7 | Total/NA | Solid | 5035 | |

# QC Association Summary

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29072-1

## GC VOA

### Analysis Batch: 30392

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-29072-1 | S-1 | Total/NA | Solid | 8015M/D | 30386 |
| 885-29072-2 | S-2 | Total/NA | Solid | 8015M/D | 30386 |
| 885-29072-3 | S-3 | Total/NA | Solid | 8015M/D | 30386 |
| 885-29072-4 | S-4 | Total/NA | Solid | 8015M/D | 30386 |
| 885-29072-5 | S-5 | Total/NA | Solid | 8015M/D | 30386 |
| MB 885-30386/1-A | Method Blank | Total/NA | Solid | 8015M/D | 30386 |
| LCS 885-30386/2-A | Lab Control Sample | Total/NA | Solid | 8015M/D | 30386 |

### Analysis Batch: 30393

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-29072-1 | S-1 | Total/NA | Solid | 8021B | 30386 |
| 885-29072-2 | S-2 | Total/NA | Solid | 8021B | 30386 |
| 885-29072-3 | S-3 | Total/NA | Solid | 8021B | 30386 |
| 885-29072-4 | S-4 | Total/NA | Solid | 8021B | 30386 |
| 885-29072-5 | S-5 | Total/NA | Solid | 8021B | 30386 |
| MB 885-30386/1-A | Method Blank | Total/NA | Solid | 8021B | 30386 |
| LCS 885-30386/3-A | Lab Control Sample | Total/NA | Solid | 8021B | 30386 |

### Analysis Batch: 30441

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| LCS 885-30390/2-A | Lab Control Sample | Total/NA | Solid | 8015M/D | 30390 |
| 885-29072-6 MS | S-6 | Total/NA | Solid | 8015M/D | 30390 |
| 885-29072-6 MSD | S-6 | Total/NA | Solid | 8015M/D | 30390 |

### Analysis Batch: 30442

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-29072-7 MS | S-7 | Total/NA | Solid | 8021B | 30390 |
| 885-29072-7 MSD | S-7 | Total/NA | Solid | 8021B | 30390 |

### Analysis Batch: 30449

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-29072-1 MS | S-1 | Total/NA | Solid | 8015M/D | 30386 |
| 885-29072-1 MSD | S-1 | Total/NA | Solid | 8015M/D | 30386 |

### Analysis Batch: 30450

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-29072-2 MS | S-2 | Total/NA | Solid | 8021B | 30386 |
| 885-29072-2 MSD | S-2 | Total/NA | Solid | 8021B | 30386 |

## GC Semi VOA

### Prep Batch: 30381

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-29072-1 | S-1 | Total/NA | Solid | SHAKE | |
| 885-29072-2 | S-2 | Total/NA | Solid | SHAKE | |
| 885-29072-3 | S-3 | Total/NA | Solid | SHAKE | |
| 885-29072-4 | S-4 | Total/NA | Solid | SHAKE | |
| 885-29072-5 | S-5 | Total/NA | Solid | SHAKE | |
| 885-29072-6 | S-6 | Total/NA | Solid | SHAKE | |
| 885-29072-7 | S-7 | Total/NA | Solid | SHAKE | |
| 885-29072-8 | S-8 | Total/NA | Solid | SHAKE | |

# QC Association Summary

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29072-1

## GC Semi VOA (Continued)

### Prep Batch: 30381 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-29072-9 | S-9 | Total/NA | Solid | SHAKE | |
| 885-29072-10 | S-10 | Total/NA | Solid | SHAKE | |
| 885-29072-11 | S-11 | Total/NA | Solid | SHAKE | |
| MB 885-30381/1-A | Method Blank | Total/NA | Solid | SHAKE | |
| LCS 885-30381/2-A | Lab Control Sample | Total/NA | Solid | SHAKE | |

### Analysis Batch: 30396

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-29072-9 | S-9 | Total/NA | Solid | 8015M/D | 30381 |
| 885-29072-10 | S-10 | Total/NA | Solid | 8015M/D | 30381 |
| 885-29072-11 | S-11 | Total/NA | Solid | 8015M/D | 30381 |

### Analysis Batch: 30397

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-29072-1 | S-1 | Total/NA | Solid | 8015M/D | 30381 |
| 885-29072-2 | S-2 | Total/NA | Solid | 8015M/D | 30381 |
| 885-29072-3 | S-3 | Total/NA | Solid | 8015M/D | 30381 |
| 885-29072-4 | S-4 | Total/NA | Solid | 8015M/D | 30381 |
| 885-29072-5 | S-5 | Total/NA | Solid | 8015M/D | 30381 |
| 885-29072-6 | S-6 | Total/NA | Solid | 8015M/D | 30381 |
| 885-29072-7 | S-7 | Total/NA | Solid | 8015M/D | 30381 |
| 885-29072-8 | S-8 | Total/NA | Solid | 8015M/D | 30381 |
| MB 885-30381/1-A | Method Blank | Total/NA | Solid | 8015M/D | 30381 |
| LCS 885-30381/2-A | Lab Control Sample | Total/NA | Solid | 8015M/D | 30381 |

## HPLC/IC

### Analysis Batch: 30377

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-29072-1 | S-1 | Total/NA | Solid | 300.0 | 30394 |
| 885-29072-2 | S-2 | Total/NA | Solid | 300.0 | 30394 |
| 885-29072-3 | S-3 | Total/NA | Solid | 300.0 | 30394 |
| 885-29072-4 | S-4 | Total/NA | Solid | 300.0 | 30394 |
| 885-29072-5 | S-5 | Total/NA | Solid | 300.0 | 30394 |
| 885-29072-6 | S-6 | Total/NA | Solid | 300.0 | 30394 |
| 885-29072-7 | S-7 | Total/NA | Solid | 300.0 | 30394 |
| 885-29072-8 | S-8 | Total/NA | Solid | 300.0 | 30394 |
| 885-29072-9 | S-9 | Total/NA | Solid | 300.0 | 30394 |
| 885-29072-10 | S-10 | Total/NA | Solid | 300.0 | 30394 |
| 885-29072-11 | S-11 | Total/NA | Solid | 300.0 | 30394 |
| MB 885-30394/1-A | Method Blank | Total/NA | Solid | 300.0 | 30394 |
| LCS 885-30394/2-A | Lab Control Sample | Total/NA | Solid | 300.0 | 30394 |
| 885-29072-11 MS | S-11 | Total/NA | Solid | 300.0 | 30394 |
| 885-29072-11 MSD | S-11 | Total/NA | Solid | 300.0 | 30394 |

### Prep Batch: 30394

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-29072-1 | S-1 | Total/NA | Solid | 300_Prep | |
| 885-29072-2 | S-2 | Total/NA | Solid | 300_Prep | |
| 885-29072-3 | S-3 | Total/NA | Solid | 300_Prep | |
| 885-29072-4 | S-4 | Total/NA | Solid | 300_Prep | |

# QC Association Summary

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29072-1

## HPLC/IC (Continued)

### Prep Batch: 30394 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-29072-5 | S-5 | Total/NA | Solid | 300_Prep | |
| 885-29072-6 | S-6 | Total/NA | Solid | 300_Prep | |
| 885-29072-7 | S-7 | Total/NA | Solid | 300_Prep | |
| 885-29072-8 | S-8 | Total/NA | Solid | 300_Prep | |
| 885-29072-9 | S-9 | Total/NA | Solid | 300_Prep | |
| 885-29072-10 | S-10 | Total/NA | Solid | 300_Prep | |
| 885-29072-11 | S-11 | Total/NA | Solid | 300_Prep | |
| MB 885-30394/1-A | Method Blank | Total/NA | Solid | 300_Prep | |
| LCS 885-30394/2-A | Lab Control Sample | Total/NA | Solid | 300_Prep | |
| 885-29072-11 MS | S-11 | Total/NA | Solid | 300_Prep | |
| 885-29072-11 MSD | S-11 | Total/NA | Solid | 300_Prep | |

# Lab Chronicle

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29072-1

## Client Sample ID: S-1
**Date Collected: 07/17/25 09:00**
**Date Received: 07/18/25 06:15**

## Lab Sample ID: 885-29072-1
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 30386 | CM | EET ALB | 07/18/25 10:08 |
| Total/NA | Analysis | 8015M/D | | 1 | 30392 | JP | EET ALB | 07/18/25 12:40 |
| Total/NA | Prep | 5035 | | | 30386 | CM | EET ALB | 07/18/25 10:08 |
| Total/NA | Analysis | 8021B | | 1 | 30393 | JP | EET ALB | 07/18/25 12:40 |
| Total/NA | Prep | SHAKE | | | 30381 | DR | EET ALB | 07/18/25 09:50 |
| Total/NA | Analysis | 8015M/D | | 1 | 30397 | DH | EET ALB | 07/18/25 13:05 |
| Total/NA | Prep | 300_Prep | | | 30394 | RC | EET ALB | 07/18/25 10:51 |
| Total/NA | Analysis | 300.0 | | 20 | 30377 | RC | EET ALB | 07/18/25 11:47 |

## Client Sample ID: S-2
**Date Collected: 07/17/25 09:05**
**Date Received: 07/18/25 06:15**

## Lab Sample ID: 885-29072-2
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 30386 | CM | EET ALB | 07/18/25 10:08 |
| Total/NA | Analysis | 8015M/D | | 1 | 30392 | JP | EET ALB | 07/18/25 13:04 |
| Total/NA | Prep | 5035 | | | 30386 | CM | EET ALB | 07/18/25 10:08 |
| Total/NA | Analysis | 8021B | | 1 | 30393 | JP | EET ALB | 07/18/25 13:04 |
| Total/NA | Prep | SHAKE | | | 30381 | DR | EET ALB | 07/18/25 09:50 |
| Total/NA | Analysis | 8015M/D | | 1 | 30397 | DH | EET ALB | 07/18/25 13:15 |
| Total/NA | Prep | 300_Prep | | | 30394 | RC | EET ALB | 07/18/25 10:51 |
| Total/NA | Analysis | 300.0 | | 20 | 30377 | RC | EET ALB | 07/18/25 11:57 |

## Client Sample ID: S-3
**Date Collected: 07/17/25 09:10**
**Date Received: 07/18/25 06:15**

## Lab Sample ID: 885-29072-3
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 30386 | CM | EET ALB | 07/18/25 10:08 |
| Total/NA | Analysis | 8015M/D | | 1 | 30392 | JP | EET ALB | 07/18/25 13:28 |
| Total/NA | Prep | 5035 | | | 30386 | CM | EET ALB | 07/18/25 10:08 |
| Total/NA | Analysis | 8021B | | 1 | 30393 | JP | EET ALB | 07/18/25 13:28 |
| Total/NA | Prep | SHAKE | | | 30381 | DR | EET ALB | 07/18/25 09:50 |
| Total/NA | Analysis | 8015M/D | | 1 | 30397 | DH | EET ALB | 07/18/25 13:26 |
| Total/NA | Prep | 300_Prep | | | 30394 | RC | EET ALB | 07/18/25 10:51 |
| Total/NA | Analysis | 300.0 | | 20 | 30377 | RC | EET ALB | 07/18/25 12:08 |

## Client Sample ID: S-4
**Date Collected: 07/17/25 09:15**
**Date Received: 07/18/25 06:15**

## Lab Sample ID: 885-29072-4
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 30386 | CM | EET ALB | 07/18/25 10:08 |
| Total/NA | Analysis | 8015M/D | | 1 | 30392 | JP | EET ALB | 07/18/25 13:51 |

# Lab Chronicle

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29072-1

## Client Sample ID: S-4
**Date Collected: 07/17/25 09:15**
**Date Received: 07/18/25 06:15**

## Lab Sample ID: 885-29072-4
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 30386 | CM | EET ALB | 07/18/25 10:08 |
| Total/NA | Analysis | 8021B | | 1 | 30393 | JP | EET ALB | 07/18/25 13:51 |
| Total/NA | Prep | SHAKE | | | 30381 | DR | EET ALB | 07/18/25 09:50 |
| Total/NA | Analysis | 8015M/D | | 1 | 30397 | DH | EET ALB | 07/18/25 13:37 |
| Total/NA | Prep | 300_Prep | | | 30394 | RC | EET ALB | 07/18/25 10:51 |
| Total/NA | Analysis | 300.0 | | 20 | 30377 | RC | EET ALB | 07/18/25 12:18 |

## Client Sample ID: S-5
**Date Collected: 07/17/25 09:20**
**Date Received: 07/18/25 06:15**

## Lab Sample ID: 885-29072-5
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 30386 | CM | EET ALB | 07/18/25 10:08 |
| Total/NA | Analysis | 8015M/D | | 1 | 30392 | JP | EET ALB | 07/18/25 14:15 |
| Total/NA | Prep | 5035 | | | 30386 | CM | EET ALB | 07/18/25 10:08 |
| Total/NA | Analysis | 8021B | | 1 | 30393 | JP | EET ALB | 07/18/25 14:15 |
| Total/NA | Prep | SHAKE | | | 30381 | DR | EET ALB | 07/18/25 09:50 |
| Total/NA | Analysis | 8015M/D | | 1 | 30397 | DH | EET ALB | 07/18/25 13:48 |
| Total/NA | Prep | 300_Prep | | | 30394 | RC | EET ALB | 07/18/25 10:51 |
| Total/NA | Analysis | 300.0 | | 20 | 30377 | RC | EET ALB | 07/18/25 12:28 |

## Client Sample ID: S-6
**Date Collected: 07/17/25 09:25**
**Date Received: 07/18/25 06:15**

## Lab Sample ID: 885-29072-6
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 30390 | CM | EET ALB | 07/18/25 09:10 |
| Total/NA | Analysis | 8015M/D | | 1 | 30359 | CM | EET ALB | 07/18/25 11:25 |
| Total/NA | Prep | 5035 | | | 30390 | CM | EET ALB | 07/18/25 09:10 |
| Total/NA | Analysis | 8021B | | 1 | 30360 | CM | EET ALB | 07/18/25 11:25 |
| Total/NA | Prep | SHAKE | | | 30381 | DR | EET ALB | 07/18/25 09:50 |
| Total/NA | Analysis | 8015M/D | | 1 | 30397 | DH | EET ALB | 07/18/25 13:59 |
| Total/NA | Prep | 300_Prep | | | 30394 | RC | EET ALB | 07/18/25 10:51 |
| Total/NA | Analysis | 300.0 | | 20 | 30377 | RC | EET ALB | 07/18/25 12:39 |

## Client Sample ID: S-7
**Date Collected: 07/17/25 09:30**
**Date Received: 07/18/25 06:15**

## Lab Sample ID: 885-29072-7
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 30390 | CM | EET ALB | 07/18/25 09:10 |
| Total/NA | Analysis | 8015M/D | | 1 | 30359 | CM | EET ALB | 07/18/25 11:47 |
| Total/NA | Prep | 5035 | | | 30390 | CM | EET ALB | 07/18/25 09:10 |
| Total/NA | Analysis | 8021B | | 1 | 30360 | CM | EET ALB | 07/18/25 11:47 |

# Lab Chronicle

Client: Ensolum
Job ID: 885-29072-1
Project/Site: Lateral C-38

## Client Sample ID: S-7
**Lab Sample ID: 885-29072-7**
**Date Collected: 07/17/25 09:30**
**Matrix: Solid**
**Date Received: 07/18/25 06:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | SHAKE | | | 30381 | DR | EET ALB | 07/18/25 09:50 |
| Total/NA | Analysis | 8015M/D | | 1 | 30397 | DH | EET ALB | 07/18/25 14:10 |
| Total/NA | Prep | 300_Prep | | | 30394 | RC | EET ALB | 07/18/25 10:51 |
| Total/NA | Analysis | 300.0 | | 20 | 30377 | RC | EET ALB | 07/18/25 13:10 |

## Client Sample ID: S-8
**Lab Sample ID: 885-29072-8**
**Date Collected: 07/17/25 09:35**
**Matrix: Solid**
**Date Received: 07/18/25 06:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 30390 | CM | EET ALB | 07/18/25 09:10 |
| Total/NA | Analysis | 8015M/D | | 1 | 30359 | CM | EET ALB | 07/18/25 12:09 |
| Total/NA | Prep | 5035 | | | 30390 | CM | EET ALB | 07/18/25 09:10 |
| Total/NA | Analysis | 8021B | | 1 | 30360 | CM | EET ALB | 07/18/25 12:09 |
| Total/NA | Prep | SHAKE | | | 30381 | DR | EET ALB | 07/18/25 09:50 |
| Total/NA | Analysis | 8015M/D | | 1 | 30397 | DH | EET ALB | 07/18/25 14:21 |
| Total/NA | Prep | 300_Prep | | | 30394 | RC | EET ALB | 07/18/25 10:51 |
| Total/NA | Analysis | 300.0 | | 20 | 30377 | RC | EET ALB | 07/18/25 13:20 |

## Client Sample ID: S-9
**Lab Sample ID: 885-29072-9**
**Date Collected: 07/17/25 09:40**
**Matrix: Solid**
**Date Received: 07/18/25 06:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 30390 | CM | EET ALB | 07/18/25 09:10 |
| Total/NA | Analysis | 8015M/D | | 1 | 30359 | CM | EET ALB | 07/18/25 12:30 |
| Total/NA | Prep | 5035 | | | 30390 | CM | EET ALB | 07/18/25 09:10 |
| Total/NA | Analysis | 8021B | | 1 | 30360 | CM | EET ALB | 07/18/25 12:30 |
| Total/NA | Prep | SHAKE | | | 30381 | DR | EET ALB | 07/18/25 09:50 |
| Total/NA | Analysis | 8015M/D | | 1 | 30396 | DH | EET ALB | 07/18/25 12:25 |
| Total/NA | Prep | 300_Prep | | | 30394 | RC | EET ALB | 07/18/25 10:51 |
| Total/NA | Analysis | 300.0 | | 20 | 30377 | RC | EET ALB | 07/18/25 13:30 |

## Client Sample ID: S-10
**Lab Sample ID: 885-29072-10**
**Date Collected: 07/17/25 09:45**
**Matrix: Solid**
**Date Received: 07/18/25 06:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 30390 | CM | EET ALB | 07/18/25 09:10 |
| Total/NA | Analysis | 8015M/D | | 1 | 30359 | CM | EET ALB | 07/18/25 13:14 |
| Total/NA | Prep | 5035 | | | 30390 | CM | EET ALB | 07/18/25 09:10 |
| Total/NA | Analysis | 8021B | | 1 | 30360 | CM | EET ALB | 07/18/25 13:14 |
| Total/NA | Prep | SHAKE | | | 30381 | DR | EET ALB | 07/18/25 09:50 |
| Total/NA | Analysis | 8015M/D | | 1 | 30396 | DH | EET ALB | 07/18/25 12:49 |

# Lab Chronicle

Client: Ensolum
Job ID: 885-29072-1
Project/Site: Lateral C-38

## Client Sample ID: S-10
**Lab Sample ID: 885-29072-10**
**Date Collected: 07/17/25 09:45**
**Matrix: Solid**
**Date Received: 07/18/25 06:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 300_Prep | | | 30394 | RC | EET ALB | 07/18/25 10:51 |
| Total/NA | Analysis | 300.0 | | 20 | 30377 | RC | EET ALB | 07/18/25 13:41 |

## Client Sample ID: S-11
**Lab Sample ID: 885-29072-11**
**Date Collected: 07/17/25 09:50**
**Matrix: Solid**
**Date Received: 07/18/25 06:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 30390 | CM | EET ALB | 07/18/25 09:10 |
| Total/NA | Analysis | 8015M/D | | 1 | 30359 | CM | EET ALB | 07/18/25 12:52 |
| Total/NA | Prep | 5035 | | | 30390 | CM | EET ALB | 07/18/25 09:10 |
| Total/NA | Analysis | 8021B | | 1 | 30360 | CM | EET ALB | 07/18/25 12:52 |
| Total/NA | Prep | SHAKE | | | 30381 | DR | EET ALB | 07/18/25 09:50 |
| Total/NA | Analysis | 8015M/D | | 10 | 30396 | DH | EET ALB | 07/18/25 16:11 |
| Total/NA | Prep | 300_Prep | | | 30394 | RC | EET ALB | 07/18/25 10:51 |
| Total/NA | Analysis | 300.0 | | 20 | 30377 | RC | EET ALB | 07/18/25 13:51 |

**Laboratory References:**
EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

# Accreditation/Certification Summary

Client: Ensolum
Job ID: 885-29072-1
Project/Site: Lateral C-38

## Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Oregon | NELAP | NM100001 | 09-23-25 |

# Chain-of-Custody Record

Client: Ensolum

Mailing Address: 606 S Rio Grande Suit A 87410

Phone #:

email or Fax#:

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: 1 week
☐ Standard ☒ Rush 7-18-25

Project Name: Lateral C-38 Huerfanito #196

Project #:

Project Manager: K Summers

Sampler: C D Aponti

On Ice: ☒ Yes ☐ No chucks

# of Coolers: 1

Cooler Temp (including CF): 2.3+0.2=2.5 (°C)

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

885-29072 COC

Analysis Request

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | 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~~, NO3, NO2, PO4, SO4 | 8260 (VOA) | 8270 (Semi-VOA) | Total Coliform (Present/Absent) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/17 | 900 | S | S-1 | 4oz Jar | Cool | | ✓ | ✓ | | | | | ✓ | | | |
| 7/17 | 905 | S | S-2 | | | | ✓ | ✓ | | | | | ✓ | | | |
| 7/17 | 910 | S | S-3 | | | | ✓ | ✓ | | | | | ✓ | | | |
| 7/17 | 915 | S | S-4 | | | | ✓ | ✓ | | | | | ✓ | | | |
| 7/17 | 920 | S | S-5 | | | | ✓ | ✓ | | | | | ✓ | | | |
| 7/17 | 925 | S | S-6 | | | | ✓ | ✓ | | | | | ✓ | | | |
| 7/17 | 930 | S | S-7 | | | | ✓ | ✓ | | | | | ✓ | | | |
| 7/17 | 935 | S | S-8 | | | | ✓ | ✓ | | | | | ✓ | | | |
| 7/17 | 940 | S | S-9 | | | | ✓ | ✓ | | | | | ✓ | | | |
| 7/17 | 945 | S | S-10 | | | | ✓ | ✓ | | | | | ✓ | | | |
| 7/17 | 950 | S | S-11 | | | | ✓ | ✓ | | | | | ✓ | | | |

| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 7/17/25 | 1422 | | | | 7/17/25 | 1422 |
| Date: | Time: | Relinquished by: | Received by: | Via: COURIER | Date | Time |
| | | | | | 7/18/25 | 0:15 |

Remarks: Tom Long RB 21200

Save Boy

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.

# Login Sample Receipt Checklist

Client: Ensolum Job Number: 885-29072-1

**Login Number: 29072** **List Source: Eurofins Albuquerque**
**List Number: 1**
**Creator: Casarrubias, Tracy**

| Question | Answer | Comment |
|---|---|---|
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |

eurofins | Environment Testing



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Kyle Summers
Ensolum
606 S Rio Grande
Suite A
Aztec, New Mexico 87410

Generated 10/15/2025 2:04:56 PM Revision 1

## JOB DESCRIPTION

Lateral C-38

## JOB NUMBER

885-29376-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

# Eurofins Albuquerque

## Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

## Authorization

Generated
10/15/2025 2:04:56 PM
Revision 1

Authorized for release by
John Caldwell, Project Manager
john.caldwell@et.eurofinsus.com
(505)345-3975

Client: Ensolum
Project/Site: Lateral C-38

Laboratory Job ID: 885-29376-1

# Table of Contents

# Definitions/Glossary

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29376-1

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ☼ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

# Case Narrative

Client: Ensolum
Project: Lateral C-38

Job ID: 885-29376-1

## Job ID: 885-29376-1 Eurofins Albuquerque

**Job Narrative**
**885-29376-1**

REVISION

The report being provided is a revision of the original report sent on 7/25/2025. The report (revision 1) is being revised due to Client updated the project name for this job. Updated COC and report reflected.

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

**Receipt**
The samples were received on 7/23/2025 7:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.7°C.

**Gasoline Range Organics**
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**GC VOA**
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**Diesel Range Organics**
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**HPLC/IC**
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

# Client Sample Results

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29376-1

## Client Sample ID: S-10a
**Date Collected: 07/22/25 10:00**
**Date Received: 07/23/25 07:10**

## Lab Sample ID: 885-29376-1
**Matrix: Solid**

### Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics [C6 - C10] | ND | | 4.0 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 12:42 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *110* | | *15 - 150* | *07/23/25 09:25* | *07/23/25 12:42* | *1* |

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | 0.020 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 12:42 | 1 |
| Ethylbenzene | ND | | 0.040 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 12:42 | 1 |
| Toluene | ND | | 0.040 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 12:42 | 1 |
| Xylenes, Total | ND | | 0.080 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 12:42 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *98* | | *15 - 150* | *07/23/25 09:25* | *07/23/25 12:42* | *1* |

### Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics [C10-C28] | ND | | 9.9 | | mg/Kg | | 07/23/25 10:05 | 07/23/25 15:05 | 1 |
| Motor Oil Range Organics [C28-C40] | ND | | 49 | | mg/Kg | | 07/23/25 10:05 | 07/23/25 15:05 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Di-n-octyl phthalate (Surr)* | *89* | | *62 - 134* | *07/23/25 10:05* | *07/23/25 15:05* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **97** | | 60 | | mg/Kg | | 07/23/25 10:02 | 07/23/25 11:39 | 20 |

# Client Sample Results

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29376-1

## Client Sample ID: S-11a
**Date Collected: 07/22/25 10:05**
**Date Received: 07/23/25 07:10**

## Lab Sample ID: 885-29376-2
**Matrix: Solid**

### Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics [C6 - C10] | ND | | 3.6 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 13:04 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *110* | | *15 - 150* | *07/23/25 09:25* | *07/23/25 13:04* | *1* |

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | 0.018 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 13:04 | 1 |
| Ethylbenzene | ND | | 0.036 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 13:04 | 1 |
| Toluene | ND | | 0.036 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 13:04 | 1 |
| Xylenes, Total | ND | | 0.071 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 13:04 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *98* | | *15 - 150* | *07/23/25 09:25* | *07/23/25 13:04* | *1* |

### Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics [C10-C28] | ND | | 9.8 | | mg/Kg | | 07/23/25 10:05 | 07/23/25 15:17 | 1 |
| Motor Oil Range Organics [C28-C40] | ND | | 49 | | mg/Kg | | 07/23/25 10:05 | 07/23/25 15:17 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Di-n-octyl phthalate (Surr)* | *82* | | *62 - 134* | *07/23/25 10:05* | *07/23/25 15:17* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **85** | | 59 | | mg/Kg | | 07/23/25 10:02 | 07/23/25 11:49 | 20 |

# Client Sample Results

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29376-1

## Client Sample ID: S-12
**Date Collected: 07/22/25 10:10**
**Date Received: 07/23/25 07:10**

## Lab Sample ID: 885-29376-3
**Matrix: Solid**

### Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics [C6 - C10] | ND | | 3.2 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 13:26 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *111* | | *15 - 150* | *07/23/25 09:25* | *07/23/25 13:26* | *1* |

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | 0.016 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 13:26 | 1 |
| Ethylbenzene | ND | | 0.032 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 13:26 | 1 |
| Toluene | ND | | 0.032 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 13:26 | 1 |
| Xylenes, Total | ND | | 0.064 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 13:26 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *99* | | *15 - 150* | *07/23/25 09:25* | *07/23/25 13:26* | *1* |

### Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics [C10-C28] | ND | | 9.9 | | mg/Kg | | 07/23/25 10:05 | 07/23/25 15:29 | 1 |
| Motor Oil Range Organics [C28-C40] | ND | | 50 | | mg/Kg | | 07/23/25 10:05 | 07/23/25 15:29 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Di-n-octyl phthalate (Surr)* | *92* | | *62 - 134* | *07/23/25 10:05* | *07/23/25 15:29* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | | 60 | | mg/Kg | | 07/23/25 10:02 | 07/23/25 11:59 | 20 |

# Client Sample Results

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29376-1

## Client Sample ID: S-13
**Date Collected: 07/22/25 10:15**
**Date Received: 07/23/25 07:10**

## Lab Sample ID: 885-29376-4
**Matrix: Solid**

### Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics [C6 - C10] | ND | | 3.6 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 13:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *111* | | *15 - 150* | *07/23/25 09:25* | *07/23/25 13:48* | *1* |

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | 0.018 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 13:48 | 1 |
| Ethylbenzene | ND | | 0.036 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 13:48 | 1 |
| Toluene | ND | | 0.036 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 13:48 | 1 |
| Xylenes, Total | ND | | 0.072 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 13:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *99* | | *15 - 150* | *07/23/25 09:25* | *07/23/25 13:48* | *1* |

### Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics [C10-C28] | ND | | 9.7 | | mg/Kg | | 07/23/25 10:05 | 07/23/25 12:38 | 1 |
| Motor Oil Range Organics [C28-C40] | ND | | 48 | | mg/Kg | | 07/23/25 10:05 | 07/23/25 12:38 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Di-n-octyl phthalate (Surr)* | *92* | | *62 - 134* | *07/23/25 10:05* | *07/23/25 12:38* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | | 60 | | mg/Kg | | 07/23/25 10:02 | 07/23/25 12:10 | 20 |

# Client Sample Results

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29376-1

## Client Sample ID: S-14
**Date Collected: 07/22/25 10:20**
**Date Received: 07/23/25 07:10**

## Lab Sample ID: 885-29376-5
**Matrix: Solid**

### Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics [C6 - C10] | ND | | 3.0 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 14:10 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *110* | | *15 - 150* | *07/23/25 09:25* | *07/23/25 14:10* | *1* |

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | 0.015 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 14:10 | 1 |
| Ethylbenzene | ND | | 0.030 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 14:10 | 1 |
| Toluene | ND | | 0.030 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 14:10 | 1 |
| Xylenes, Total | ND | | 0.060 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 14:10 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *98* | | *15 - 150* | *07/23/25 09:25* | *07/23/25 14:10* | *1* |

### Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics [C10-C28] | ND | | 9.8 | | mg/Kg | | 07/23/25 10:05 | 07/23/25 13:01 | 1 |
| Motor Oil Range Organics [C28-C40] | ND | | 49 | | mg/Kg | | 07/23/25 10:05 | 07/23/25 13:01 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Di-n-octyl phthalate (Surr)* | *90* | | *62 - 134* | *07/23/25 10:05* | *07/23/25 13:01* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | | 60 | | mg/Kg | | 07/23/25 10:02 | 07/23/25 12:20 | 20 |

# Client Sample Results

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29376-1

## Client Sample ID: S-15
**Date Collected: 07/22/25 10:25**
**Date Received: 07/23/25 07:10**

## Lab Sample ID: 885-29376-6
**Matrix: Solid**

### Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics [C6 - C10] | ND | | 3.5 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 14:31 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *109* | | *15 - 150* | *07/23/25 09:25* | *07/23/25 14:31* | *1* |

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | 0.017 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 14:31 | 1 |
| Ethylbenzene | ND | | 0.035 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 14:31 | 1 |
| Toluene | ND | | 0.035 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 14:31 | 1 |
| Xylenes, Total | ND | | 0.069 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 14:31 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *97* | | *15 - 150* | *07/23/25 09:25* | *07/23/25 14:31* | *1* |

### Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics [C10-C28] | ND | | 9.9 | | mg/Kg | | 07/23/25 10:05 | 07/23/25 13:25 | 1 |
| Motor Oil Range Organics [C28-C40] | ND | | 50 | | mg/Kg | | 07/23/25 10:05 | 07/23/25 13:25 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Di-n-octyl phthalate (Surr)* | *77* | | *62 - 134* | *07/23/25 10:05* | *07/23/25 13:25* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | | 60 | | mg/Kg | | 07/23/25 10:02 | 07/23/25 12:30 | 20 |

# Client Sample Results

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29376-1

## Client Sample ID: S-16
**Date Collected: 07/22/25 10:30**
**Date Received: 07/23/25 07:10**

## Lab Sample ID: 885-29376-7
**Matrix: Solid**

### Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics [C6 - C10] | ND | | 3.6 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 14:53 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *110* | | *15 - 150* | *07/23/25 09:25* | *07/23/25 14:53* | *1* |

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | 0.018 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 14:53 | 1 |
| Ethylbenzene | ND | | 0.036 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 14:53 | 1 |
| Toluene | ND | | 0.036 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 14:53 | 1 |
| Xylenes, Total | ND | | 0.073 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 14:53 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *99* | | *15 - 150* | *07/23/25 09:25* | *07/23/25 14:53* | *1* |

### Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics [C10-C28] | ND | | 10 | | mg/Kg | | 07/23/25 10:05 | 07/23/25 13:48 | 1 |
| Motor Oil Range Organics [C28-C40] | ND | | 50 | | mg/Kg | | 07/23/25 10:05 | 07/23/25 13:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Di-n-octyl phthalate (Surr)* | *84* | | *62 - 134* | *07/23/25 10:05* | *07/23/25 13:48* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | | 60 | | mg/Kg | | 07/23/25 10:02 | 07/23/25 13:01 | 20 |

# Client Sample Results

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29376-1

## Client Sample ID: BF-1
**Date Collected: 07/22/25 10:35**
**Date Received: 07/23/25 07:10**

## Lab Sample ID: 885-29376-8
**Matrix: Solid**

### Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics [C6 - C10] | ND | | 3.2 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 15:15 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *110* | | *15 - 150* | *07/23/25 09:25* | *07/23/25 15:15* | *1* |

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | 0.016 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 15:15 | 1 |
| Ethylbenzene | ND | | 0.032 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 15:15 | 1 |
| Toluene | ND | | 0.032 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 15:15 | 1 |
| Xylenes, Total | ND | | 0.064 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 15:15 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *98* | | *15 - 150* | *07/23/25 09:25* | *07/23/25 15:15* | *1* |

### Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics [C10-C28] | ND | | 9.9 | | mg/Kg | | 07/23/25 10:05 | 07/23/25 14:12 | 1 |
| Motor Oil Range Organics [C28-C40] | ND | | 49 | | mg/Kg | | 07/23/25 10:05 | 07/23/25 14:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Di-n-octyl phthalate (Surr)* | *92* | | *62 - 134* | *07/23/25 10:05* | *07/23/25 14:12* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | | 61 | | mg/Kg | | 07/23/25 10:02 | 07/23/25 13:12 | 20 |

# QC Sample Results

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29376-1

## Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

**Lab Sample ID: MB 885-30683/1-A**
**Matrix: Solid**
**Analysis Batch: 30695**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 30683**

| Analyte | MB Result | MB Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics [C6 - C10] | ND | | 5.0 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 12:20 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *115* | | *15 - 150* | *07/23/25 09:25* | *07/23/25 12:20* | *1* |

**Lab Sample ID: LCS 885-30683/2-A**
**Matrix: Solid**
**Analysis Batch: 30695**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 30683**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics [C6 - C10] | | | 25.0 | 29.6 | | mg/Kg | | 118 | 70 - 130 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *230* | | *15 - 150* |

**Lab Sample ID: 885-29376-1 MS**
**Matrix: Solid**
**Analysis Batch: 30790**

**Client Sample ID: S-10a**
**Prep Type: Total/NA**
**Prep Batch: 30683**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics [C6 - C10] | ND | | 20.0 | 22.3 | | mg/Kg | | 111 | 70 - 130 | | |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *222* | | *15 - 150* |

**Lab Sample ID: 885-29376-1 MSD**
**Matrix: Solid**
**Analysis Batch: 30790**

**Client Sample ID: S-10a**
**Prep Type: Total/NA**
**Prep Batch: 30683**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics [C6 - C10] | ND | | 20.0 | 21.6 | | mg/Kg | | 108 | 70 - 130 | 3 | 20 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *213* | | *15 - 150* |

## Method: 8021B - Volatile Organic Compounds (GC)

**Lab Sample ID: MB 885-30683/1-A**
**Matrix: Solid**
**Analysis Batch: 30696**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 30683**

| Analyte | MB Result | MB Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | 0.025 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 12:20 | 1 |
| Ethylbenzene | ND | | 0.050 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 12:20 | 1 |
| Toluene | ND | | 0.050 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 12:20 | 1 |

# QC Sample Results

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29376-1

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: MB 885-30683/1-A**
**Matrix: Solid**
**Analysis Batch: 30696**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 30683**

| Analyte | MB Result | MB Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Xylenes, Total | ND | | 0.10 | | mg/Kg | | 07/23/25 09:25 | 07/23/25 12:20 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *102* | | *15 - 150* | *07/23/25 09:25* | *07/23/25 12:20* | *1* |

**Lab Sample ID: LCS 885-30683/3-A**
**Matrix: Solid**
**Analysis Batch: 30696**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 30683**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 1.00 | 0.885 | | mg/Kg | | 89 | 70 - 130 | | |
| Ethylbenzene | | | 1.00 | 0.923 | | mg/Kg | | 92 | 70 - 130 | | |
| Toluene | | | 1.00 | 0.888 | | mg/Kg | | 89 | 70 - 130 | | |
| Xylenes, Total | | | 3.00 | 2.81 | | mg/Kg | | 94 | 70 - 130 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *104* | | *15 - 150* |

**Lab Sample ID: 885-29376-2 MS**
**Matrix: Solid**
**Analysis Batch: 30791**

**Client Sample ID: S-11a**
**Prep Type: Total/NA**
**Prep Batch: 30683**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | 0.711 | 0.640 | | mg/Kg | | 90 | 70 - 130 | | |
| Ethylbenzene | ND | | 0.711 | 0.652 | | mg/Kg | | 92 | 70 - 130 | | |
| Toluene | ND | | 0.711 | 0.630 | | mg/Kg | | 89 | 70 - 130 | | |
| Xylenes, Total | ND | | 2.13 | 1.96 | | mg/Kg | | 92 | 70 - 130 | | |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *98* | | *15 - 150* |

**Lab Sample ID: 885-29376-2 MSD**
**Matrix: Solid**
**Analysis Batch: 30791**

**Client Sample ID: S-11a**
**Prep Type: Total/NA**
**Prep Batch: 30683**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | 0.711 | 0.607 | | mg/Kg | | 85 | 70 - 130 | 5 | 20 |
| Ethylbenzene | ND | | 0.711 | 0.624 | | mg/Kg | | 88 | 70 - 130 | 4 | 20 |
| Toluene | ND | | 0.711 | 0.600 | | mg/Kg | | 84 | 70 - 130 | 5 | 20 |
| Xylenes, Total | ND | | 2.13 | 1.88 | | mg/Kg | | 88 | 70 - 130 | 4 | 20 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *98* | | *15 - 150* |

# QC Sample Results

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29376-1

## Method: 8015M/D - Diesel Range Organics (DRO) (GC)

**Lab Sample ID: MB 885-30694/1-A**
**Matrix: Solid**
**Analysis Batch: 30685**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 30694**

| Analyte | MB Result | MB Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics [C10-C28] | ND | | 10 | | mg/Kg | | 07/23/25 10:05 | 07/23/25 14:40 | 1 |
| Motor Oil Range Organics [C28-C40] | ND | | 50 | | mg/Kg | | 07/23/25 10:05 | 07/23/25 14:40 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Di-n-octyl phthalate (Surr)* | *86* | | *62 - 134* | *07/23/25 10:05* | *07/23/25 14:40* | *1* |

**Lab Sample ID: LCS 885-30694/2-A**
**Matrix: Solid**
**Analysis Batch: 30685**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 30694**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics [C10-C28] | | | 50.0 | 41.5 | | mg/Kg | | 83 | 51 - 148 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *Di-n-octyl phthalate (Surr)* | *83* | | *62 - 134* |

**Lab Sample ID: 885-29376-1 MS**
**Matrix: Solid**
**Analysis Batch: 30685**

**Client Sample ID: S-10a**
**Prep Type: Total/NA**
**Prep Batch: 30694**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics [C10-C28] | ND | | 49.7 | 41.0 | | mg/Kg | | 83 | 44 - 136 | | |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *Di-n-octyl phthalate (Surr)* | *88* | | *62 - 134* |

**Lab Sample ID: 885-29376-1 MSD**
**Matrix: Solid**
**Analysis Batch: 30685**

**Client Sample ID: S-10a**
**Prep Type: Total/NA**
**Prep Batch: 30694**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics [C10-C28] | ND | | 49.6 | 45.3 | | mg/Kg | | 91 | 44 - 136 | 10 | 32 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *Di-n-octyl phthalate (Surr)* | *93* | | *62 - 134* |

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 885-30693/1-A**
**Matrix: Solid**
**Analysis Batch: 30697**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 30693**

| Analyte | MB Result | MB Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | | 1.5 | | mg/Kg | | 07/23/25 10:02 | 07/23/25 11:12 | 1 |

# QC Sample Results

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29376-1

## Method: 300.0 - Anions, Ion Chromatography (Continued)

**Lab Sample ID: LCS 885-30693/2-A**
**Matrix: Solid**
**Analysis Batch: 30697**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 30693**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | | | 15.0 | 14.8 | | mg/Kg | | 99 | 90 - 110 | | |

**Lab Sample ID: 885-29376-7 MS**
**Matrix: Solid**
**Analysis Batch: 30697**

**Client Sample ID: S-16**
**Prep Type: Total/NA**
**Prep Batch: 30693**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | | 29.7 | ND | | mg/Kg | | NC | 50 - 150 | | |

**Lab Sample ID: 885-29376-7 MSD**
**Matrix: Solid**
**Analysis Batch: 30697**

**Client Sample ID: S-16**
**Prep Type: Total/NA**
**Prep Batch: 30693**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | | 30.2 | ND | | mg/Kg | | NC | 50 - 150 | NC | 20 |

**Lab Sample ID: 885-29376-8 MS**
**Matrix: Solid**
**Analysis Batch: 30697**

**Client Sample ID: BF-1**
**Prep Type: Total/NA**
**Prep Batch: 30693**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | | 30.3 | 91.1 | | mg/Kg | | NC | 50 - 150 | | |

**Lab Sample ID: 885-29376-8 MSD**
**Matrix: Solid**
**Analysis Batch: 30697**

**Client Sample ID: BF-1**
**Prep Type: Total/NA**
**Prep Batch: 30693**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | | 30.0 | 92.0 | | mg/Kg | | NC | 50 - 150 | 1 | 20 |

# QC Association Summary

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29376-1

## GC VOA

### Prep Batch: 30683

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-29376-1 | S-10a | Total/NA | Solid | 5035 | |
| 885-29376-2 | S-11a | Total/NA | Solid | 5035 | |
| 885-29376-3 | S-12 | Total/NA | Solid | 5035 | |
| 885-29376-4 | S-13 | Total/NA | Solid | 5035 | |
| 885-29376-5 | S-14 | Total/NA | Solid | 5035 | |
| 885-29376-6 | S-15 | Total/NA | Solid | 5035 | |
| 885-29376-7 | S-16 | Total/NA | Solid | 5035 | |
| 885-29376-8 | BF-1 | Total/NA | Solid | 5035 | |
| MB 885-30683/1-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 885-30683/2-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCS 885-30683/3-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| 885-29376-1 MS | S-10a | Total/NA | Solid | 5035 | |
| 885-29376-1 MSD | S-10a | Total/NA | Solid | 5035 | |
| 885-29376-2 MS | S-11a | Total/NA | Solid | 5035 | |
| 885-29376-2 MSD | S-11a | Total/NA | Solid | 5035 | |

### Analysis Batch: 30695

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-29376-1 | S-10a | Total/NA | Solid | 8015M/D | 30683 |
| 885-29376-2 | S-11a | Total/NA | Solid | 8015M/D | 30683 |
| 885-29376-3 | S-12 | Total/NA | Solid | 8015M/D | 30683 |
| 885-29376-4 | S-13 | Total/NA | Solid | 8015M/D | 30683 |
| 885-29376-5 | S-14 | Total/NA | Solid | 8015M/D | 30683 |
| 885-29376-6 | S-15 | Total/NA | Solid | 8015M/D | 30683 |
| 885-29376-7 | S-16 | Total/NA | Solid | 8015M/D | 30683 |
| 885-29376-8 | BF-1 | Total/NA | Solid | 8015M/D | 30683 |
| MB 885-30683/1-A | Method Blank | Total/NA | Solid | 8015M/D | 30683 |
| LCS 885-30683/2-A | Lab Control Sample | Total/NA | Solid | 8015M/D | 30683 |

### Analysis Batch: 30696

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-29376-1 | S-10a | Total/NA | Solid | 8021B | 30683 |
| 885-29376-2 | S-11a | Total/NA | Solid | 8021B | 30683 |
| 885-29376-3 | S-12 | Total/NA | Solid | 8021B | 30683 |
| 885-29376-4 | S-13 | Total/NA | Solid | 8021B | 30683 |
| 885-29376-5 | S-14 | Total/NA | Solid | 8021B | 30683 |
| 885-29376-6 | S-15 | Total/NA | Solid | 8021B | 30683 |
| 885-29376-7 | S-16 | Total/NA | Solid | 8021B | 30683 |
| 885-29376-8 | BF-1 | Total/NA | Solid | 8021B | 30683 |
| MB 885-30683/1-A | Method Blank | Total/NA | Solid | 8021B | 30683 |
| LCS 885-30683/3-A | Lab Control Sample | Total/NA | Solid | 8021B | 30683 |

### Analysis Batch: 30790

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-29376-1 MS | S-10a | Total/NA | Solid | 8015M/D | 30683 |
| 885-29376-1 MSD | S-10a | Total/NA | Solid | 8015M/D | 30683 |

### Analysis Batch: 30791

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-29376-2 MS | S-11a | Total/NA | Solid | 8021B | 30683 |
| 885-29376-2 MSD | S-11a | Total/NA | Solid | 8021B | 30683 |

# QC Association Summary

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29376-1

## GC Semi VOA

### Analysis Batch: 30685

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-29376-1 | S-10a | Total/NA | Solid | 8015M/D | 30694 |
| 885-29376-2 | S-11a | Total/NA | Solid | 8015M/D | 30694 |
| 885-29376-3 | S-12 | Total/NA | Solid | 8015M/D | 30694 |
| MB 885-30694/1-A | Method Blank | Total/NA | Solid | 8015M/D | 30694 |
| LCS 885-30694/2-A | Lab Control Sample | Total/NA | Solid | 8015M/D | 30694 |
| 885-29376-1 MS | S-10a | Total/NA | Solid | 8015M/D | 30694 |
| 885-29376-1 MSD | S-10a | Total/NA | Solid | 8015M/D | 30694 |

### Analysis Batch: 30687

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-29376-4 | S-13 | Total/NA | Solid | 8015M/D | 30694 |
| 885-29376-5 | S-14 | Total/NA | Solid | 8015M/D | 30694 |
| 885-29376-6 | S-15 | Total/NA | Solid | 8015M/D | 30694 |
| 885-29376-7 | S-16 | Total/NA | Solid | 8015M/D | 30694 |
| 885-29376-8 | BF-1 | Total/NA | Solid | 8015M/D | 30694 |

### Prep Batch: 30694

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-29376-1 | S-10a | Total/NA | Solid | SHAKE | |
| 885-29376-2 | S-11a | Total/NA | Solid | SHAKE | |
| 885-29376-3 | S-12 | Total/NA | Solid | SHAKE | |
| 885-29376-4 | S-13 | Total/NA | Solid | SHAKE | |
| 885-29376-5 | S-14 | Total/NA | Solid | SHAKE | |
| 885-29376-6 | S-15 | Total/NA | Solid | SHAKE | |
| 885-29376-7 | S-16 | Total/NA | Solid | SHAKE | |
| 885-29376-8 | BF-1 | Total/NA | Solid | SHAKE | |
| MB 885-30694/1-A | Method Blank | Total/NA | Solid | SHAKE | |
| LCS 885-30694/2-A | Lab Control Sample | Total/NA | Solid | SHAKE | |
| 885-29376-1 MS | S-10a | Total/NA | Solid | SHAKE | |
| 885-29376-1 MSD | S-10a | Total/NA | Solid | SHAKE | |

## HPLC/IC

### Prep Batch: 30693

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-29376-1 | S-10a | Total/NA | Solid | 300_Prep | |
| 885-29376-2 | S-11a | Total/NA | Solid | 300_Prep | |
| 885-29376-3 | S-12 | Total/NA | Solid | 300_Prep | |
| 885-29376-4 | S-13 | Total/NA | Solid | 300_Prep | |
| 885-29376-5 | S-14 | Total/NA | Solid | 300_Prep | |
| 885-29376-6 | S-15 | Total/NA | Solid | 300_Prep | |
| 885-29376-7 | S-16 | Total/NA | Solid | 300_Prep | |
| 885-29376-8 | BF-1 | Total/NA | Solid | 300_Prep | |
| MB 885-30693/1-A | Method Blank | Total/NA | Solid | 300_Prep | |
| LCS 885-30693/2-A | Lab Control Sample | Total/NA | Solid | 300_Prep | |
| 885-29376-7 MS | S-16 | Total/NA | Solid | 300_Prep | |
| 885-29376-7 MSD | S-16 | Total/NA | Solid | 300_Prep | |
| 885-29376-8 MS | BF-1 | Total/NA | Solid | 300_Prep | |
| 885-29376-8 MSD | BF-1 | Total/NA | Solid | 300_Prep | |

# QC Association Summary

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29376-1

## HPLC/IC

### Analysis Batch: 30697

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-29376-1 | S-10a | Total/NA | Solid | 300.0 | 30693 |
| 885-29376-2 | S-11a | Total/NA | Solid | 300.0 | 30693 |
| 885-29376-3 | S-12 | Total/NA | Solid | 300.0 | 30693 |
| 885-29376-4 | S-13 | Total/NA | Solid | 300.0 | 30693 |
| 885-29376-5 | S-14 | Total/NA | Solid | 300.0 | 30693 |
| 885-29376-6 | S-15 | Total/NA | Solid | 300.0 | 30693 |
| 885-29376-7 | S-16 | Total/NA | Solid | 300.0 | 30693 |
| 885-29376-8 | BF-1 | Total/NA | Solid | 300.0 | 30693 |
| MB 885-30693/1-A | Method Blank | Total/NA | Solid | 300.0 | 30693 |
| LCS 885-30693/2-A | Lab Control Sample | Total/NA | Solid | 300.0 | 30693 |
| 885-29376-7 MS | S-16 | Total/NA | Solid | 300.0 | 30693 |
| 885-29376-7 MSD | S-16 | Total/NA | Solid | 300.0 | 30693 |
| 885-29376-8 MS | BF-1 | Total/NA | Solid | 300.0 | 30693 |
| 885-29376-8 MSD | BF-1 | Total/NA | Solid | 300.0 | 30693 |

# Lab Chronicle

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29376-1

## Client Sample ID: S-10a
**Date Collected: 07/22/25 10:00**
**Date Received: 07/23/25 07:10**

## Lab Sample ID: 885-29376-1
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 30683 | KLS | EET ALB | 07/23/25 09:25 |
| Total/NA | Analysis | 8015M/D | | 1 | 30695 | AT | EET ALB | 07/23/25 12:42 |
| Total/NA | Prep | 5035 | | | 30683 | KLS | EET ALB | 07/23/25 09:25 |
| Total/NA | Analysis | 8021B | | 1 | 30696 | AT | EET ALB | 07/23/25 12:42 |
| Total/NA | Prep | SHAKE | | | 30694 | BZR | EET ALB | 07/23/25 10:05 |
| Total/NA | Analysis | 8015M/D | | 1 | 30685 | EM | EET ALB | 07/23/25 15:05 |
| Total/NA | Prep | 300_Prep | | | 30693 | MA | EET ALB | 07/23/25 10:02 |
| Total/NA | Analysis | 300.0 | | 20 | 30697 | RC | EET ALB | 07/23/25 11:39 |

## Client Sample ID: S-11a
**Date Collected: 07/22/25 10:05**
**Date Received: 07/23/25 07:10**

## Lab Sample ID: 885-29376-2
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 30683 | KLS | EET ALB | 07/23/25 09:25 |
| Total/NA | Analysis | 8015M/D | | 1 | 30695 | AT | EET ALB | 07/23/25 13:04 |
| Total/NA | Prep | 5035 | | | 30683 | KLS | EET ALB | 07/23/25 09:25 |
| Total/NA | Analysis | 8021B | | 1 | 30696 | AT | EET ALB | 07/23/25 13:04 |
| Total/NA | Prep | SHAKE | | | 30694 | BZR | EET ALB | 07/23/25 10:05 |
| Total/NA | Analysis | 8015M/D | | 1 | 30685 | EM | EET ALB | 07/23/25 15:17 |
| Total/NA | Prep | 300_Prep | | | 30693 | MA | EET ALB | 07/23/25 10:02 |
| Total/NA | Analysis | 300.0 | | 20 | 30697 | RC | EET ALB | 07/23/25 11:49 |

## Client Sample ID: S-12
**Date Collected: 07/22/25 10:10**
**Date Received: 07/23/25 07:10**

## Lab Sample ID: 885-29376-3
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 30683 | KLS | EET ALB | 07/23/25 09:25 |
| Total/NA | Analysis | 8015M/D | | 1 | 30695 | AT | EET ALB | 07/23/25 13:26 |
| Total/NA | Prep | 5035 | | | 30683 | KLS | EET ALB | 07/23/25 09:25 |
| Total/NA | Analysis | 8021B | | 1 | 30696 | AT | EET ALB | 07/23/25 13:26 |
| Total/NA | Prep | SHAKE | | | 30694 | BZR | EET ALB | 07/23/25 10:05 |
| Total/NA | Analysis | 8015M/D | | 1 | 30685 | EM | EET ALB | 07/23/25 15:29 |
| Total/NA | Prep | 300_Prep | | | 30693 | MA | EET ALB | 07/23/25 10:02 |
| Total/NA | Analysis | 300.0 | | 20 | 30697 | RC | EET ALB | 07/23/25 11:59 |

## Client Sample ID: S-13
**Date Collected: 07/22/25 10:15**
**Date Received: 07/23/25 07:10**

## Lab Sample ID: 885-29376-4
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 30683 | KLS | EET ALB | 07/23/25 09:25 |
| Total/NA | Analysis | 8015M/D | | 1 | 30695 | AT | EET ALB | 07/23/25 13:48 |

# Lab Chronicle

Client: Ensolum
Project/Site: Lateral C-38

Job ID: 885-29376-1

## Client Sample ID: S-13
**Date Collected: 07/22/25 10:15**
**Date Received: 07/23/25 07:10**

## Lab Sample ID: 885-29376-4
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 30683 | KLS | EET ALB | 07/23/25 09:25 |
| Total/NA | Analysis | 8021B | | 1 | 30696 | AT | EET ALB | 07/23/25 13:48 |
| Total/NA | Prep | SHAKE | | | 30694 | BZR | EET ALB | 07/23/25 10:05 |
| Total/NA | Analysis | 8015M/D | | 1 | 30687 | EM | EET ALB | 07/23/25 12:38 |
| Total/NA | Prep | 300_Prep | | | 30693 | MA | EET ALB | 07/23/25 10:02 |
| Total/NA | Analysis | 300.0 | | 20 | 30697 | RC | EET ALB | 07/23/25 12:10 |

## Client Sample ID: S-14
**Date Collected: 07/22/25 10:20**
**Date Received: 07/23/25 07:10**

## Lab Sample ID: 885-29376-5
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 30683 | KLS | EET ALB | 07/23/25 09:25 |
| Total/NA | Analysis | 8015M/D | | 1 | 30695 | AT | EET ALB | 07/23/25 14:10 |
| Total/NA | Prep | 5035 | | | 30683 | KLS | EET ALB | 07/23/25 09:25 |
| Total/NA | Analysis | 8021B | | 1 | 30696 | AT | EET ALB | 07/23/25 14:10 |
| Total/NA | Prep | SHAKE | | | 30694 | BZR | EET ALB | 07/23/25 10:05 |
| Total/NA | Analysis | 8015M/D | | 1 | 30687 | EM | EET ALB | 07/23/25 13:01 |
| Total/NA | Prep | 300_Prep | | | 30693 | MA | EET ALB | 07/23/25 10:02 |
| Total/NA | Analysis | 300.0 | | 20 | 30697 | RC | EET ALB | 07/23/25 12:20 |

## Client Sample ID: S-15
**Date Collected: 07/22/25 10:25**
**Date Received: 07/23/25 07:10**

## Lab Sample ID: 885-29376-6
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 30683 | KLS | EET ALB | 07/23/25 09:25 |
| Total/NA | Analysis | 8015M/D | | 1 | 30695 | AT | EET ALB | 07/23/25 14:31 |
| Total/NA | Prep | 5035 | | | 30683 | KLS | EET ALB | 07/23/25 09:25 |
| Total/NA | Analysis | 8021B | | 1 | 30696 | AT | EET ALB | 07/23/25 14:31 |
| Total/NA | Prep | SHAKE | | | 30694 | BZR | EET ALB | 07/23/25 10:05 |
| Total/NA | Analysis | 8015M/D | | 1 | 30687 | EM | EET ALB | 07/23/25 13:25 |
| Total/NA | Prep | 300_Prep | | | 30693 | MA | EET ALB | 07/23/25 10:02 |
| Total/NA | Analysis | 300.0 | | 20 | 30697 | RC | EET ALB | 07/23/25 12:30 |

## Client Sample ID: S-16
**Date Collected: 07/22/25 10:30**
**Date Received: 07/23/25 07:10**

## Lab Sample ID: 885-29376-7
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 30683 | KLS | EET ALB | 07/23/25 09:25 |
| Total/NA | Analysis | 8015M/D | | 1 | 30695 | AT | EET ALB | 07/23/25 14:53 |
| Total/NA | Prep | 5035 | | | 30683 | KLS | EET ALB | 07/23/25 09:25 |
| Total/NA | Analysis | 8021B | | 1 | 30696 | AT | EET ALB | 07/23/25 14:53 |

# Lab Chronicle

Client: Ensolum
Job ID: 885-29376-1
Project/Site: Lateral C-38

## Client Sample ID: S-16
**Lab Sample ID: 885-29376-7**
**Date Collected: 07/22/25 10:30**
**Matrix: Solid**
**Date Received: 07/23/25 07:10**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | SHAKE | | | 30694 | BZR | EET ALB | 07/23/25 10:05 |
| Total/NA | Analysis | 8015M/D | | 1 | 30687 | EM | EET ALB | 07/23/25 13:48 |
| Total/NA | Prep | 300_Prep | | | 30693 | MA | EET ALB | 07/23/25 10:02 |
| Total/NA | Analysis | 300.0 | | 20 | 30697 | RC | EET ALB | 07/23/25 13:01 |

## Client Sample ID: BF-1
**Lab Sample ID: 885-29376-8**
**Date Collected: 07/22/25 10:35**
**Matrix: Solid**
**Date Received: 07/23/25 07:10**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 30683 | KLS | EET ALB | 07/23/25 09:25 |
| Total/NA | Analysis | 8015M/D | | 1 | 30695 | AT | EET ALB | 07/23/25 15:15 |
| Total/NA | Prep | 5035 | | | 30683 | KLS | EET ALB | 07/23/25 09:25 |
| Total/NA | Analysis | 8021B | | 1 | 30696 | AT | EET ALB | 07/23/25 15:15 |
| Total/NA | Prep | SHAKE | | | 30694 | BZR | EET ALB | 07/23/25 10:05 |
| Total/NA | Analysis | 8015M/D | | 1 | 30687 | EM | EET ALB | 07/23/25 14:12 |
| Total/NA | Prep | 300_Prep | | | 30693 | MA | EET ALB | 07/23/25 10:02 |
| Total/NA | Analysis | 300.0 | | 20 | 30697 | RC | EET ALB | 07/23/25 13:12 |

**Laboratory References:**
EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

# Accreditation/Certification Summary

Client: Ensolum
Job ID: 885-29376-1
Project/Site: Lateral C-38

## Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Oregon | NELAP | NM100001 | 09-23-25 |

# Chain-of-Custody Record

Client: Ensolum LLC

Mailing Address: 606 S Rio Grande Suite A 87410

Phone #:

email or Fax#: cdaponti@ensolum.com

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time: 100a
☐ Standard ☑ Rush 7-23-25

Project Name: ~~Blanco~~ Lateral C-38

Project #:

Project Manager: K Summers

Sampler: C DAponti

On Ice: ☑ Yes ☐ No chucky

# of Coolers: 1

Cooler Temp (including CF): 4.5+0.2=4.7 (°C)

**HALL ENVIRONMI ANALYSIS LABOR**
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 8710s
Tel. 505-345-3975 Fax 505-345-4107

885-29376 COC

Analysis Request

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | 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~~, NO3, NO2, PO4, SO4 | 8260 (VOA) | 8270 (Semi-VOA) | Total Coliform (Present/Absent) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/22 | 1000 | S | S-10a | 4oz Jar | Cool | | ✓ | ✓ | | | | | ✓ | | | |
| 7/22 | 1005 | S | S-11a | | | | ✓ | ✓ | | | | | ✓ | | | |
| 7/22 | 1010 | S | S-12 | | | | ✓ | ✓ | | | | | ✓ | | | |
| 7/22 | 1015 | S | S-13 | | | | ✓ | ✓ | | | | | ✓ | | | |
| 7/22 | 1020 | S | S-14 | | | | ✓ | ✓ | | | | | ✓ | | | |
| 7/22 | 1025 | S | S-15 | | | | ✓ | ✓ | | | | | ✓ | | | |
| 7/22 | 1030 | S | S-16 | | | | ✓ | ✓ | | | | | ✓ | | | |
| 7/22 | 1035 | S | BF-1 | | | | ✓ | ✓ | | | | | ✓ | | | |

| Date | Time | Relinquished by | Received by | Via | Date | Time |
|---|---|---|---|---|---|---|
| 7/22/25 | 1408 | | | | 7/22/25 | 1408 |
| 7/22/25 | 1730 | Christian Wall | | Courier | 7/23/25 | 7:10 |

Remarks: Tom Long RB 21200 Send DM

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.

# Login Sample Receipt Checklist

Client: Ensolum Job Number: 885-29376-1

**Login Number: 29376** **List Source: Eurofins Albuquerque**
**List Number: 1**
**Creator: Casarrubias, Tracy**

| Question | Answer | Comment |
|---|---|---|
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |

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

| | |
|---|---|
| Operator:<br>Enterprise Field Services, LLC<br>PO Box 4324<br>Houston, TX 77210 | OGRID:<br>241602 |
| | Action Number:<br>519709 |
| | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

**QUESTIONS**

| **Prerequisites** | |
|---|---|
| Incident ID (n#) | **nAPP2519050239** |
| Incident Name | **NAPP2519050239 LATERAL C-38 @ O-13-27N-09W** |
| Incident Type | **Natural Gas Release** |
| Incident Status | **Reclamation Report Received** |

| **Location of Release Source** | |
|---|---|
| *Please answer all the questions in this group.* | |
| Site Name | LATERAL C-38 |
| Date Release Discovered | 07/09/2025 |
| Surface Owner | Navajo |

| **Incident Details** | |
|---|---|
| *Please answer all the questions in this group.* | |
| 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 |

| **Nature and Volume of Release** | |
|---|---|
| *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.* | |
| 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 | No |
| Condensate Released (bbls) Details | Cause: Corrosion \| Pipeline (Any) \| Condensate \| Released: 5 BBL \| Recovered: 0 BBL \| Lost: 5 BBL. |
| Natural Gas Vented (Mcf) Details | Cause: Corrosion \| Pipeline (Any) \| Natural Gas Vented \| Released: 33 MCF \| Recovered: 0 MCF \| Lost: 33 MCF. |
| 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) | None. |

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



## QUESTIONS (continued)

| | |
|---|---|
| Operator:<br>Enterprise Field Services, LLC<br>PO Box 4324<br>Houston, TX 77210 | OGRID:<br>241602 |
| | Action Number:<br>519709 |
| | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

**QUESTIONS**

| **Nature and Volume of Release (continued)** | |
|---|---|
| Is this a gas only submission (i.e. only significant Mcf values reported) | **Yes, according to supplied volumes this will be treated as a "gas only" report.** |
| Was this a major release as defined by Subsection A of 19.15.29.7 NMAC | **No** |
| Reasons why this would be considered a submission for a notification of a major release | *Unavailable.* |
| *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 | True |
| The impacted area has been secured to protect human health and the environment | True |
| Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices | True |
| All free liquids and recoverable materials have been removed and managed appropriately | True |
| If all the actions described above have not been undertaken, explain why | none |
| *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: Thomas Long<br>Title: Sr Field Environmental Scientist<br>Email: tjlong@eprod.com<br>Date: 10/24/2025 |

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



## QUESTIONS (continued)

| | |
|---|---|
| Operator:<br>Enterprise Field Services, LLC<br>PO Box 4324<br>Houston, TX 77210 | OGRID:<br>241602 |
| | Action Number:<br>519709 |
| | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

**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 26 and 50 (ft.) |
| What method was used to determine the depth to ground water | U.S. Geological Survey |
| Did this release impact groundwater or surface water | No |
| **What is the minimum distance, between the closest lateral extents of the release and the following surface areas:** | |
| A continuously flowing watercourse or any other significant watercourse | Between 1 and 100 (ft.) |
| 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 ½ and 1 (mi.) |
| A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes | Between 1 and 5 (mi.) |
| Any other fresh water well or spring | Between 1 and 5 (mi.) |
| Incorporated municipal boundaries or a defined municipal fresh water well field | Greater than 5 (mi.) |
| A wetland | Between 100 and 200 (ft.) |
| A subsurface mine | Greater than 5 (mi.) |
| An (non-karst) unstable area | Greater than 5 (mi.) |
| Categorize the risk of this well / site being in a karst geology | None |
| A 100-year floodplain | Zero feet, overlying, or within area |
| Did the release impact areas not on an exploration, development, production, or storage site | No |

| **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 |
| *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.* | |
| 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) | 97 |
| TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M) | 0.1 |
| GRO+DRO (EPA SW-846 Method 8015M) | 0.1 |
| BTEX (EPA SW-846 Method 8021B or 8260B) | 0.1 |
| Benzene (EPA SW-846 Method 8021B or 8260B) | 0.1 |
| | |
| *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 | 07/09/2025 |
| On what date will (or did) the final sampling or liner inspection occur | 07/22/2025 |
| On what date will (or was) the remediation complete(d) | 07/22/2025 |
| What is the estimated surface area (in square feet) that will be reclaimed | 560 |
| What is the estimated volume (in cubic yards) that will be reclaimed | 900 |
| What is the estimated surface area (in square feet) that will be remediated | 560 |
| What is the estimated volume (in cubic yards) that will be remediated | 900 |
| *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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# State of New Mexico
# Energy, Minerals and Natural Resources
# Oil Conservation Division
# 1220 S. St Francis Dr.
# Santa Fe, NM 87505



## QUESTIONS (continued)

| | |
|---|---|
| Operator:<br>Enterprise Field Services, LLC<br>PO Box 4324<br>Houston, TX 77210 | OGRID:<br>241602 |
| | Action Number:<br>519709 |
| | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

**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 **off-site** disposal (i.e. dig and haul, hydrovac, etc.) | Yes |
| Which OCD approved facility will be used for **off-site** disposal | fEEM0112334691 ENVIROTECH LANDFARM #1 |
| **OR** which OCD approved well (API) will be used for **off-site** disposal | *Not answered.* |
| **OR** is the **off-site** disposal site, to be used, out-of-state | No |
| **OR** is the **off-site** disposal site, to be used, an NMED facility | No |
| (Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms) | No |
| (In Situ) Soil Vapor Extraction | No |
| (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.) | No |
| (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.) | No |
| (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.) | No |
| Ground Water Abatement pursuant to 19.15.30 NMAC | No |
| OTHER (Non-listed remedial process) | No |
| *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: Thomas Long<br>Title: Sr Field Environmental Scientist<br>Email: tjlong@eprod.com<br>Date: 10/24/2025 |
| *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 (continued)

| | |
|---|---|
| Operator:<br>Enterprise Field Services, LLC<br>PO Box 4324<br>Houston, TX 77210 | OGRID:<br>241602 |
| | Action Number:<br>519709 |
| | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

**QUESTIONS**

| **Deferral Requests Only** | |
|---|---|
| *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.* | |
| Requesting a deferral of the remediation closure due date with the approval of this submission | No |

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## QUESTIONS (continued)

| | |
|---|---|
| Operator:<br>Enterprise Field Services, LLC<br>PO Box 4324<br>Houston, TX 77210 | OGRID:<br>241602 |
| | Action Number:<br>519709 |
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**QUESTIONS**

| **Sampling Event Information** | |
|---|---|
| Last sampling notification (C-141N) recorded | **486918** |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | **07/22/2025** |
| What was the (estimated) number of samples that were to be gathered | **5** |
| What was the sampling surface area in square feet | **200** |

| **Remediation Closure Request** | |
|---|---|
| *Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.* | |
| 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 | 560 |
| What was the total volume (cubic yards) remediated | 900 |
| 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 | 560 |
| What was the total volume (in cubic yards) reclaimed | 900 |
| 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: Thomas Long<br>Title: Sr Field Environmental Scientist<br>Email: tjlong@eprod.com<br>Date: 10/24/2025 |

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## QUESTIONS (continued)

| | |
|---|---|
| Operator:<br>Enterprise Field Services, LLC<br>PO Box 4324<br>Houston, TX 77210 | OGRID:<br>241602 |
| | Action Number:<br>519709 |
| | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

**QUESTIONS**

| **Reclamation Report** | |
|---|---|
| *Only answer the questions in this group if all reclamation steps have been completed.* | |
| Requesting a reclamation approval with this submission | Yes |
| What was the total reclamation surface area (in square feet) for this site | 560 |
| What was the total volume of replacement material (in cubic yards) for this site | 900 |
| *Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a 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.* | |
| Is the soil top layer complete and is it suitable material to establish vegetation | Yes |
| On what (estimated) date will (or was) the reseeding commence(d) | 07/29/2025 |
| Summarize any additional reclamation activities not included by answers (above) | None |
| *The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 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: Thomas Long<br>Title: Sr Field Environmental Scientist<br>Email: tjlong@eprod.com<br>Date: 10/24/2025 |

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## QUESTIONS (continued)

| Operator: | OGRID: |
|---|---|
| Enterprise Field Services, LLC<br>PO Box 4324<br>Houston, TX 77210 | 241602 |
| | Action Number:<br>519709 |
| | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

**QUESTIONS**

| **Revegetation Report** | |
|---|---|
| *Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.* | |
| Requesting a restoration complete approval with this submission | No |
| *Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.* | |

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## CONDITIONS

| | |
|---|---|
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**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| scwells | Release is on the Navajo Nation. Accepted for record only. | 11/21/2025 |