



January 15, 2026

**New Mexico Oil Conservation Division**

1220 South St. Francis Street  
Santa Fe, New Mexico 87505

**Re: Closure Request  
PLU Ross Ranch 33-25-30  
Incident Number nAPP2530730945  
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum) on behalf of XTO Energy, Inc. (XTO), has prepared this *Closure Request* to document the findings of a liner integrity inspection and delineation completed at the PLU Ross Ranch 33-25-30 (Site) following a release of produced water within a lined containment. Based on the liner integrity inspection and delineation activities, XTO is submitting this *Closure Request*, describing liner integrity inspection and delineation activities that have occurred and requesting no further action for Incident Number nAPP2530730945.

**SITE DESCRIPTION AND RELEASE SUMMARY**

The Site is located in Unit D, Section 33, Township 25 South, Range 30 East in Eddy County, New Mexico (32.09282°, -103.89218°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On October 30, 2025, failure of a produced water line resulted in the release of 20 barrels (bbls) of produced water into a lined containment. A vacuum truck was dispatched to the Site to recover free-standing fluid, and all released fluid was recovered. The line was repaired and returned to service. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Notification of Release (NOR) and an Initial C-141 Application (C-141) on November 3, 2024. The release was assigned Incident Number nAPP2530730945.

**SITE CHARACTERIZATION AND CLOSURE CRITERIA**

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented below and potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site is greater than 100 feet below ground surface (bgs) based on water wells drilled near the Site for determination of regional groundwater depth. On January 17, 2015, a water well (C-3832) was drilled 510 feet north of the Site utilizing air rotary. Soil boring C-3832 was drilled to a depth of 805 feet bgs. Groundwater was encountered at 277 feet depth during drilling activities. The Well Record and Log is included in Appendix A.

XTO Energy, Inc.  
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The closest continuously flowing or significant watercourse is greater than 300 feet from the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area).

Based on the results of the Site Characterization, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total Petroleum Hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

## LINER INTEGRITY INSPECTION ACTIVITIES

After a review of the C-141, internal documents, and initial release photographs, it was confirmed the release occurred within the lined containment. The lined containment was cleaned of all debris, power washed and a 48-hour advance notice of the liner inspection was submitted to the NMOCD on November 4, 2025. On November 6, 2025, the lined containment was inspected by Ensolum personnel and was determined to contain a small tear. Delineation to determine the extent of the release was warranted. A Site map of the lined containment is included in Figure 2. Photographic documentation of the inspection is included in Appendix B.

## DELINEATION SOIL SAMPLING ACTIVITIES

On December 11, 2025, Ensolum personnel were at the Site to oversee delineation activities. Four delineation soil samples (SS01 through SS04) were collected around the lined containment from the surface to assess the lateral extent of the release. Borehole, BH01, was advanced via hand auger to a terminal depth of 1-foot bgs in the location of the tear in the liner. The delineation soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization device (PID), TPH utilizing a Petroflag, and chloride utilizing Hach® chloride QuanTab® test strips. Field screening results and observations for the borehole were logged on a lithologic/soil sampling log, which is included as Appendix C. The delineation soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation is included in Appendix B.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Eurofins Environmental Testing Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of the following contaminants of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standard Method SM4500.

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## LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for delineation soil samples SS01 through SS04 indicated all COCs were in compliance with Site Closure Criteria and the reclamation standards, confirming the release remained within the lined containment. Delineation soil samples from borehole BH01 indicated all COCs were in compliance with Site Closure Criteria and the reclamation standards. Laboratory analytical results are summarized in Table 1 and the laboratory analytical reports are included in Appendix D.

## CLOSURE REQUEST

Liner integrity inspection and delineation activities were conducted at the Site to address the October 30, 2025, release of produced water. Laboratory analytical results for the delineation soil samples, collected in the liner tear, indicated that all COC concentrations were compliant with the Site Closure Criteria and the reclamation standards. Based on the soil sample analytical results, no impacted soil was identified, and no further remediation was required. XTO has patched the tear in the liner following completion of delineation activities.

Delineation of potential impacts at this Site determined no soil that exceeded Site Closure Criteria or the reclamation standards were located below the lined containment. Depth to groundwater has been estimated to be greater than 100 feet bgs and no other sensitive receptors were identified near the Site. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number nAPP2530730945.

If you have any questions or comments, please contact Ms. Tacoma Morrissey at (337) 257-8307 or [tmorrissey@ensolum.com](mailto:tmorrissey@ensolum.com).

Sincerely,  
**Ensolum, LLC**



Kara Naegeli  
Project Geologist



Tacoma Morrissey  
Associate Principal

cc: Robert Woodall, XTO  
Richard Kotzur, XTO  
BLM

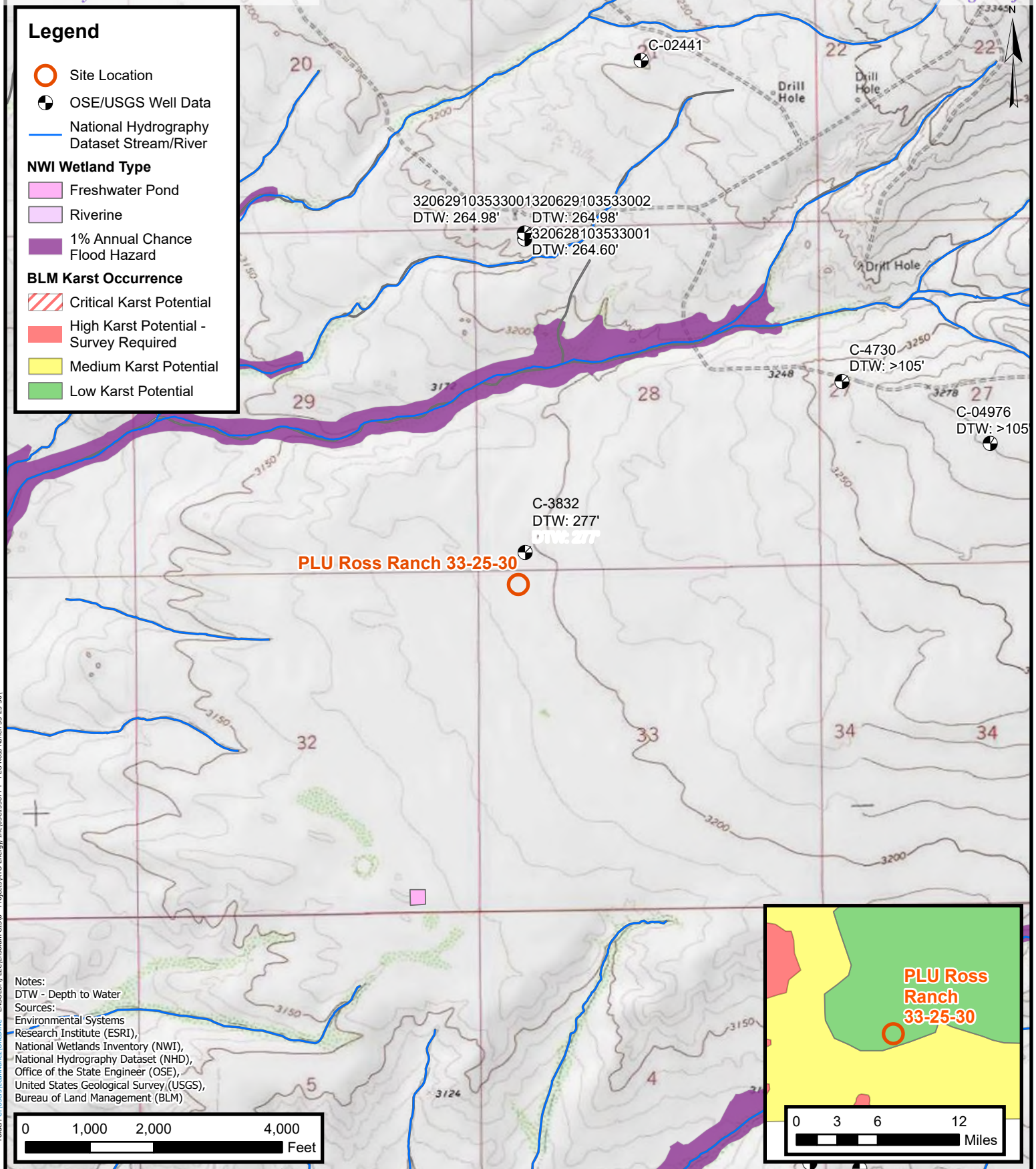
### Appendices:

|            |  |
|------------|--|
| Figure 1   | Site Receptor Map  |
| Figure 2   | Site Map   |
| Table 1    | Soil Sample Analytical Results                                 |
| Appendix A | Referenced Well Records  |
| Appendix B | Photographic Log   |
| Appendix C | Lithologic Soil Sampling Logs                                  |
| Appendix D | Laboratory Analytical Reports & Chain-of-Custody Documentation |
| Appendix E | Spill Volume Calculation                                       |



FIGURES





## Site Receptor Map

XTO Energy, Inc  
PLU Ross Ranch 33-25-30  
Incident Number: nAPP2530730945  
Unit D, Section 33, T 25S, R 30E  
Eddy County, New Mexico

FIGURE

1

**Legend**

- Delineation Soil Sample in Compliance with Closure Criteria
- Oil and Gas Utility Line
- Electric Line
- Water Utility Line
- Lined Containment



Notes:  
Sample ID @ Depth Below Ground/Surface.

0 15 30 60  
Feet

Sources: Environmental Systems Research Institute (ESRI)



## Delineation Soil Sample Locations

XTO Energy, Inc  
PLU Ross Ranch 33-25-30  
Incident Number: nAPP2530730945  
Unit D, Section 33, T 25S, R 30E  
Eddy County, New Mexico

**FIGURE**  
**2**



TABLES





TABLE 1  
SOIL SAMPLE ANALYTICAL RESULTS  
PLU Ross Ranch 33-25-30  
XTO Energy, Inc  
Eddy County, New Mexico

| Sample I.D.                                    | Sample Date | Sample Depth (feet bgs) | Benzene (mg/kg) | Total BTEX (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH ORO (mg/kg) | GRO+DRO (mg/kg) | Total TPH (mg/kg) | Chloride (mg/kg) |
|--|-------------|-------------------------|-----------------|--------------------|-----------------|-----------------|-----------------|-----------------|-------------------|------------------|
| NMOCD Table I Closure Criteria (NMAC 19.15.29) |             |                         | 10              | 50                 | NE              | NE              | NE              | NE              | 100               | 600              |
| Delineation Soil Samples                       |             |                         |                 |                    |                 |                 |                 |                 |                   |                  |
| SS01   | 12/11/2025  | Surface                 | <0.00201        | <0.00402           | <50.1           | <50.1           | <50.1           | <50.1           | <50.1             | 17.8             |
| SS02   | 12/11/2025  | Surface                 | <0.00202        | <0.00403           | <50.0           | <50.0           | <50.0           | <50.0           | <50.0             | 26.3             |
| SS03   | 12/11/2025  | Surface                 | <0.00198        | <0.00396           | <49.8           | <49.8           | <49.8           | <49.8           | <49.8             | 95.3             |
| SS04   | 12/11/2025  | Surface                 | <0.00200        | <0.00400           | <50.0           | <50.0           | <50.0           | <50.0           | <50.0             | 11.0             |
| BH01   | 12/11/2025  | 0.5                     | <0.00200        | <0.00400           | <50.0           | <50.0           | <50.0           | <50.0           | <50.0             | 12.5             |
| BH01   | 12/11/2025  | 1                       | <0.00198        | <0.00396           | <50.0           | <50.0           | <50.0           | <50.0           | <50.0             | 24.9             |

Notes:

bgs: below ground surface  
mg/kg: milligrams per kilogram  
NMOCD: New Mexico Oil Conservation Division  
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes  
Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation requirement where applicable.

GRO: Gasoline Range Organics  
DRO: Diesel Range Organics  
ORO: Oil Range Organics  
TPH: Total Petroleum Hydrocarbon  
NMAC: New Mexico Administrative Code  
~~Grey~~ text indicates soil sample removed during excavation activities

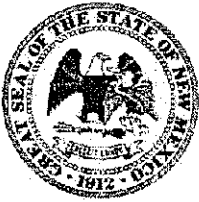




## APPENDIX A

### Referenced Well Records

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# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

|   |   |                            |   |   |  |                                    |                                      |
|---|---|----------------------------|---|---|--|------------------------------------|--------------------------------------|
| 1. GENERAL AND WELL LOCATION  | OSE POD NUMBER (WELL NUMBER)<br>POD-1 <i>Renumbered C-3832-POD 2</i>  |                            |   | OSE FILE NUMBER(S) <i>Renumbered C 3782 (exploratory) C-3832</i>                                |  |                                    |                                      |
|   | WELL OWNER NAME(S)<br>BOPCO, L.P.   |                            |   | PHONE (OPTIONAL)<br>(817) 390-8662  |  |                                    |                                      |
|   | WELL OWNER MAILING ADDRESS<br>201 N Main St Suite 2900  |                            |   | CITY STATE ZIP<br>Fort Worth TX 76102   |  |                                    |                                      |
|   | WELL LOCATION (FROM GPS)  | DEGREES<br>LATITUDE 32     | MINUTES<br>05                               | SECONDS<br>40.1   | * ACCURACY REQUIRED: ONE TENTH OF A SECOND         |                                    |                                      |
|   |   | LONGITUDE 103              | 53  | 32.2  | * DATUM REQUIRED: WGS 84                           |                                    |                                      |
| DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE<br>SW1/4SE1/4SW1/4 of Section 28, Township 25 South, Range 30 East, in the NE corner of a well pad. |   |                            |   |   |  |                                    |                                      |
| 2. DRILLING & CASING INFORMATION  | LICENSE NUMBER<br>331   |                            | NAME OF LICENSED DRILLER<br>Joel H. Stewart |   | NAME OF WELL DRILLING COMPANY<br>SBQ Drilling, LLC |                                    |                                      |
|   | DRILLING STARTED<br>01-16-15  | DRILLING ENDED<br>01-17-15 | DEPTH OF COMPLETED WELL (FT)<br>805         | BORE HOLE DEPTH (FT)<br>±805  | DEPTH WATER FIRST ENCOUNTERED (FT)                 |                                    |                                      |
|   | COMPLETED WELL IS: <input checked="" type="radio"/> ARTESIAN <input type="radio"/> DRY HOLE <input type="radio"/> SHALLOW (UNCONFINED)                        |                            |   |   | STATIC WATER LEVEL IN COMPLETED WELL (FT)<br>277   |                                    |                                      |
|   | DRILLING FLUID: <input type="radio"/> AIR <input checked="" type="radio"/> MUD ADDITIVES - SPECIFY:   |                            |   |   |  |                                    |                                      |
|   | DRILLING METHOD: <input checked="" type="radio"/> ROTARY <input type="radio"/> HAMMER <input type="radio"/> CABLE TOOL <input type="radio"/> OTHER - SPECIFY: |                            |   |   |  |                                    |                                      |
|   | DEPTH (feet bgl)<br>FROM TO   |                            | BORE HOLE<br>DIAM<br>(inches)               | CASING MATERIAL AND/OR<br>GRADE<br>(include each casing string, and<br>note sections of screen) | CASING<br>CONNECTION<br>TYPE                       | CASING<br>INSIDE DIAM.<br>(inches) | CASING WALL<br>THICKNESS<br>(inches) |
|   | 0 270   |                            | 14.75                                       | AS1M A53B   | Welded   | 8.625                              | 0.322                                |
|   | 270 805   |                            | 14.75                                       | 304 Stainless Steel   | Welded   | 8.625                              | 0.25                                 |
|   | 0 15  |                            | 19  | AS1M A53B   | ---  | 16                                 | 0.25                                 |
|   |   |                            |   |   |  |                                    |                                      |
| 3. ANNULAR MATERIAL   | DEPTH (feet bgl)<br>FROM TO   |                            | BORE HOLE<br>DIAM. (inches)                 | LIST ANNULAR SEAL MATERIAL AND<br>GRAVEL PACK SIZE-RANGE BY INTERVAL                            | AMOUNT<br>(cubic feet)                             | METHOD OF<br>PLACEMENT             |                                      |
|   | 0 120   |                            | 14.75                                       | Sand Mix Ready Mix  | 90.36  | grav. tremie meas.                 |                                      |
|   | 120 170   |                            | 14.75                                       | Hydrated Bentonite Chips  | 35.90  | grav. tremie meas.                 |                                      |
|   | 170 805   |                            | 14.75                                       | 6/9 Silica Sand   | 455.95   | I remie Pipe                       |                                      |
|   |   |                            |   |   |  |                                    |                                      |
|   |   |                            |   |   |  |                                    |                                      |
|   |   |                            |   |   |  |                                    |                                      |

FOR OSE INTERNAL USE *Renumbered from C-3782-POD1*

WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER *C-3832*

POD NUMBER *POD 2*

TRN NUMBER *555125*

LOCATION *25.30.28.3343*


PAGE 1 OF 2

| DEPTH (feet bgl)   | THICKNESS (feet) | COLOR AND TYPE OF MATERIAL ENCOUNTERED -<br>INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES<br>(attach supplemental sheets to fully describe all units) | WATER BEARING?<br>(YES / NO)                           | ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)              |      |
|--|------------------|--|--|--|------|
|  |                  |  |  |  | FROM |
| 0  | 30               | 30   | Cemented Sand, light tan, sub-angular                  | <input type="radio"/> Y <input type="radio"/> N            |      |
| 30   | 40               | 10   | Sandy Silt, light brown, sub-angular                   | <input type="radio"/> Y <input type="radio"/> N            |      |
| 40   | 60               | 20   | Sandy clay, reddish brown                              | <input type="radio"/> Y <input type="radio"/> N            |      |
| 60   | 80               | 20   | Silty Sand, light brown, sub-angular                   | <input type="radio"/> Y <input type="radio"/> N            |      |
| 80   | 250              | 170  | Fine to Medium Sand, light tan, sub-angular to rounded | <input type="radio"/> Y <input type="radio"/> N            |      |
| 250  | 260              | 10   | Clayey Sand, brown, sub-angular                        | <input type="radio"/> Y <input type="radio"/> N            |      |
| 260  | 320              | 60   | Fine Sand, light tan, sub-angular                      | <input checked="" type="radio"/> Y <input type="radio"/> N |      |
| 320  | 380              | 60   | Silty Sand, brownish gray, sub-angular                 | <input checked="" type="radio"/> Y <input type="radio"/> N |      |
| 380  | 410              | 30   | Fine Sand, dark gray, sub-angular                      | <input checked="" type="radio"/> Y <input type="radio"/> N |      |
| 410  | 530              | 120  | Clayey Fine Sand, dark gray, sub-angular               | <input checked="" type="radio"/> Y <input type="radio"/> N |      |
| 530  | 590              | 60   | Sandy Clay, dark gray, sub-angular                     | <input checked="" type="radio"/> Y <input type="radio"/> N |      |
| 590  | 600              | 10   | Clayey Fine Sand, dark gray, sub-angular               | <input checked="" type="radio"/> Y <input type="radio"/> N |      |
| 600  | 630              | 30   | Sandy Clay, dark gray, sub-angular                     | <input checked="" type="radio"/> Y <input type="radio"/> N |      |
| 630  | 650              | 20   | Clayey Sand, dark gray, sub-angular                    | <input checked="" type="radio"/> Y <input type="radio"/> N |      |
| 650  | 700              | 50   | Sandy Clay, dark gray, sub-angular                     | <input checked="" type="radio"/> Y <input type="radio"/> N |      |
| 700  | 710              | 10   | Clayey Sand, brown and gray, sub-angular               | <input checked="" type="radio"/> Y <input type="radio"/> N |      |
| 710  | 760              | 50   | Sandy Clay, dark gray, sub-angular                     | <input checked="" type="radio"/> Y <input type="radio"/> N |      |
| 760  | 770              | 10   | Clay, 75% gray, 25% red                                | <input checked="" type="radio"/> Y <input type="radio"/> N |      |
| 770  | 780              | 10   | Clay, 50% gray, 50% red                                | <input checked="" type="radio"/> Y <input type="radio"/> N |      |
| 780  | 790              | 10   | Clay, 25% gray, 75% red                                | <input checked="" type="radio"/> Y <input type="radio"/> N |      |
| 790  | 805              | 15   | Sandy Clay, Grayish red, 10% white sand.               | <input checked="" type="radio"/> Y <input type="radio"/> N |      |
| METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="radio"/> PUMP  |                  |  | TOTAL ESTIMATED WELL YIELD (gpm): TBD                  |  |      |
| <input type="radio"/> AIR LIFT <input type="radio"/> BAILER <input checked="" type="radio"/> OTHER - SPECIFY: TBD by pump test |                  |  |  |  |      |

|                          |   |   |
|--------------------------|---|---|
| 5. TEST; RIG SUPERVISION | WELL TEST   | TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. |
|                          | MISCELLANEOUS INFORMATION:<br>Pump test will be performed at a later time.<br>Hydrated Bentonite Chips and Sand Mix Ready Mix were placed by gravity and tagged with tremie pipe. |   |
|                          | PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:<br>Silverio Galindo, Gabriel Armijo, Pedro Pizano             |   |

|              |   |                 |
|--------------|---|-----------------|
| 6. SIGNATURE | THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING: |                 |
|              | SIGNATURE OF DRILLER / PRINT SIGNEE NAME<br> Joel H. Stewart   | DATE<br>2-13-15 |

FOR OSE INTERNAL USE

WR-20 WELL RECORD &amp; LOG (Version 06/08/2012)

FILE NUMBER C-3832

POD NUMBER PAD 2

TRN NUMBER 555125

LOCATION 25.30.28.3343

PAGE 2 OF 2

**Locator Tool Report****General Information:**

Application ID:27 Date: 05-28-2015 Time: 12:01:24

WR File Number: C-03782-POD1  
Purpose: POINT OF DIVERSIONApplicant First Name: BOPCO EXPLORATORY WELL DRILLERS RECORD  
Applicant Last Name: RENUMBERED C-3832-POD2GW Basin: CARLSBAD  
County: EDDYCritical Management Area Name(s): NONE  
Special Condition Area Name(s): NONE  
Land Grant Name: NON GRANT**PLSS Description (New Mexico Principal Meridian):**

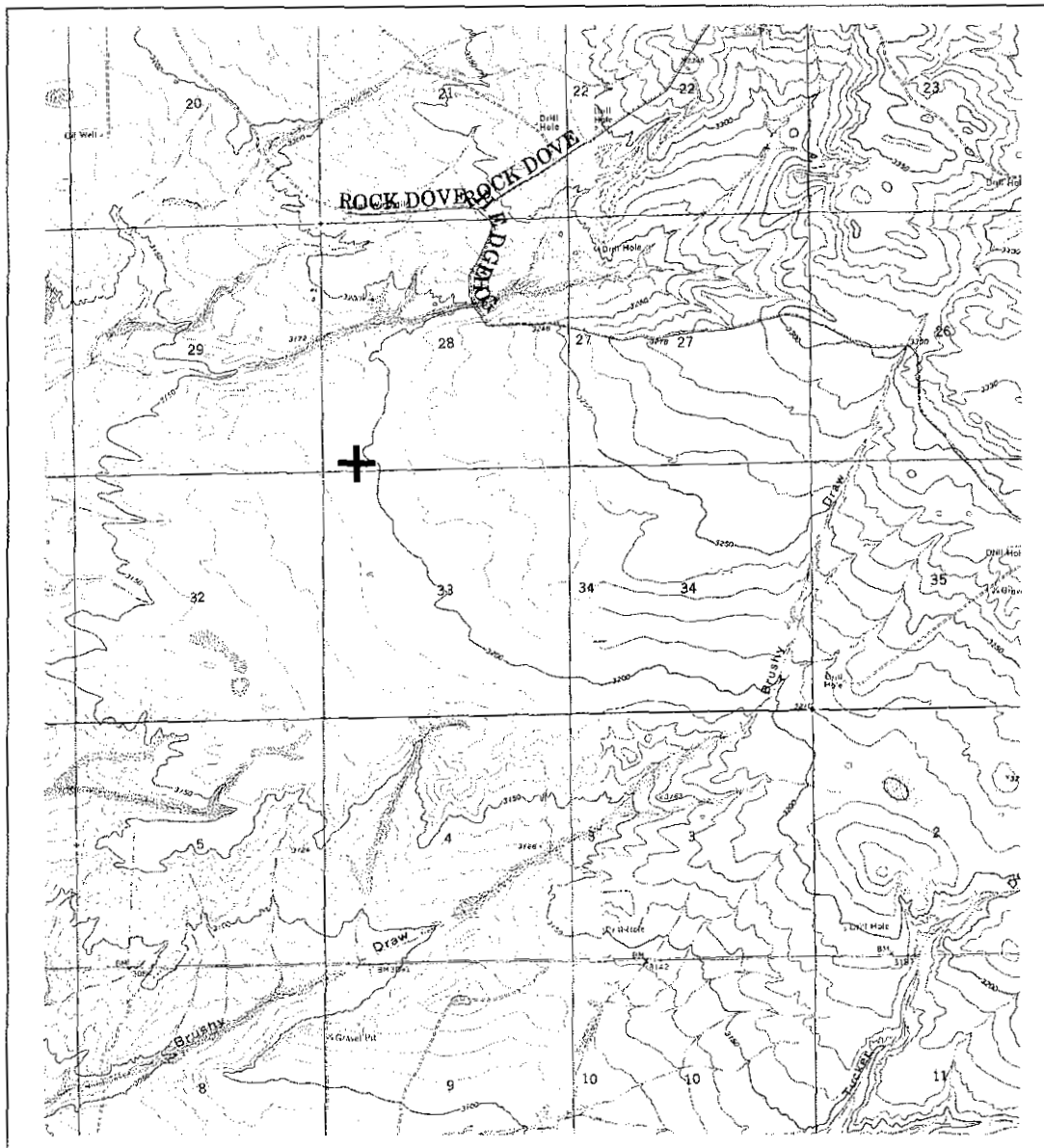
SW 1/4 of SE 1/4 of SW 1/4 of SW 1/4 of Section 28, Township 25S, Range 30E.

**Coordinate System Details:****Geographic Coordinates:**Latitude: 32 Degrees 5 Minutes 40.1 Seconds N  
Longitude: 103 Degrees 53 Minutes 32.2 Seconds W**Universal Transverse Mercator Zone: 13N**

|                            |               |              |
|----------------------------|---------------|--------------|
| NAD 1983(92) (Meters)      | N: 3,551,444  | E: 604,526   |
| NAD 1983(92) (Survey Feet) | N: 11,651,697 | E: 1,983,348 |
| NAD 1927 (Meters)          | N: 3,551,243  | E: 604,573   |
| NAD 1927 (Survey Feet)     | N: 11,651,036 | E: 1,983,505 |

**State Plane Coordinate System Zone: New Mexico East**

|                            |            |            |
|----------------------------|------------|------------|
| NAD 1983(92) (Meters)      | N: 121,428 | E: 206,630 |
| NAD 1983(92) (Survey Feet) | N: 398,385 | E: 677,920 |
| NAD 1927 (Meters)          | N: 121,410 | E: 194,077 |
| NAD 1927 (Survey Feet)     | N: 398,327 | E: 636,734 |

**NEW MEXICO OFFICE OF STATE ENGINEER****Locator Tool Report**

WR File Number: C-03782-POD1 Scale: 1:47,832

Northing/Easting: UTM83(92) (Meter): N: 3,551,444

E: 604,526

Northing/Easting: SPCS83(92) (Feet): N: 398,385

E: 677,920

GW Basin: Carlsbad





## APPENDIX B

### Photographic Log

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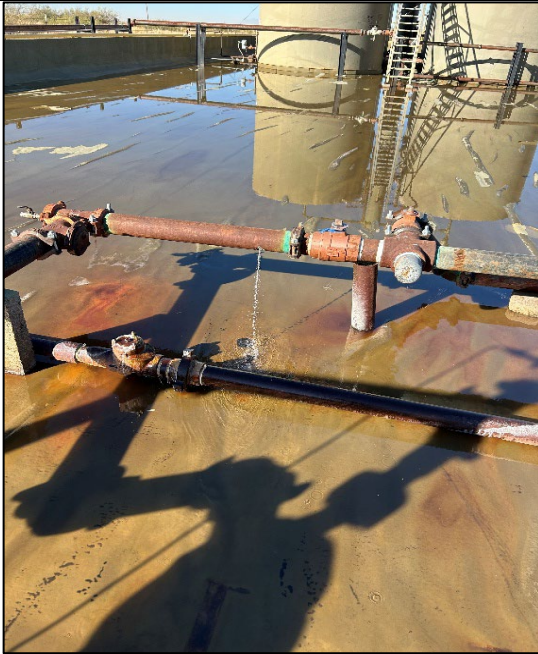


## Photographic Log

XTO Energy, Inc

PLU Ross Ranch 33-25-30

Incident Number: nAPP2530730945



Photograph: 1 Date: 10/30/2025  
Description: Initial release  
View: Direct



Photograph: 2 Date: 11/6/2025  
Description: Well Pad sign  
View: South



Photograph: 3 Date: 11/6/2025  
Description: Inspection activities  
View: Northeast



Photograph: 4 Date: 11/6/2025  
Description: Inspection activities  
View: Northwest



**Photographic Log**

XTO Energy, Inc

PLU Ross Ranch 33-25-30

Incident Number: nAPP2530730945



Photograph: 5 Date: 12/11/2025  
Description: Lateral delineation activities, SS01  
View: Southwest



Photograph: 6 Date: 12/11/2025  
Description: Lateral delineation activities, SS03  
View: Southeast



Photograph: 7 Date: 12/11/2025  
Description: Vertical delineation activities, BH01 at 1'  
View: South




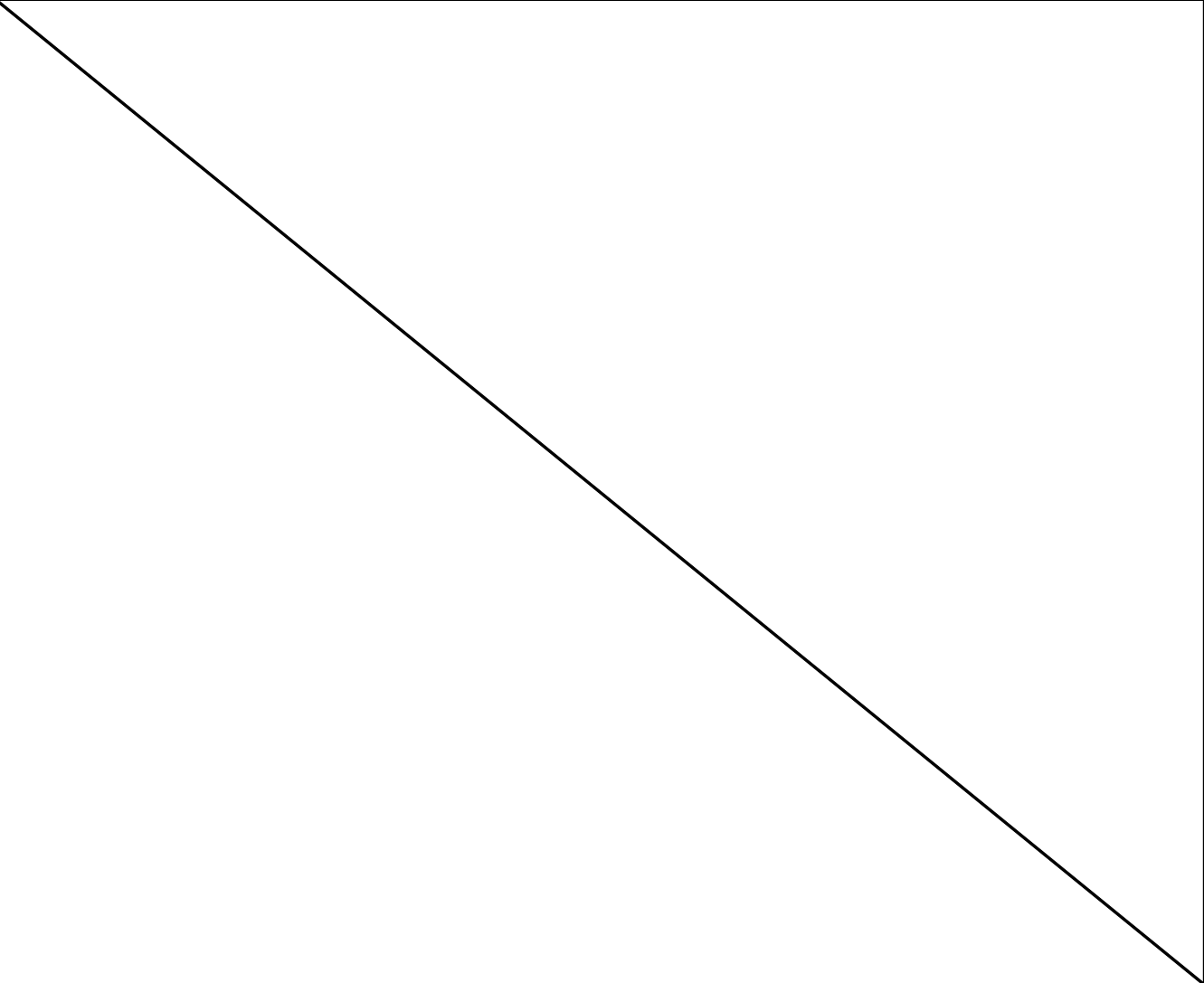
Photograph: 8 Date: 12/11/2025  
Description: Sealed BH01 post delineation  
View: North



## APPENDIX C

### Lithologic Soil Sampling Logs

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|  <b>ENSOLUM</b>  |                | Sample Name: BH01                  |                   | Date: 12/11/2025 |                       |                |                  |  |
|---|----------------|------------------------------------|-------------------|------------------|-----------------------|----------------|------------------|--|
|   |                | Site Name: PLU Ross Ranch 33-25-30 |                   |                  |                       |                |                  |  |
|   |                | Incident Number: nAPP2530730945    |                   |                  |                       |                |                  |  |
|   |                | Job Number: 03C1558774             |                   |                  |                       |                |                  |  |
| <b>LITHOLOGIC / SOIL SAMPLING LOG</b>   |                |                                    |                   |                  |                       |                |                  |  |
| Coordinates: 32.092977, -103.892448   |                |                                    | Logged By: ER     |                  | Method: Hand Auger    |                |                  |  |
|   |                |                                    | Hole Diameter: 4" |                  | Total Depth: 1'       |                |                  |  |
| Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% chloride correction factor is included. |                |                                    |                   |                  |                       |                |                  |  |
| Moisture Content  | Chloride (ppm) | Vapor (ppm)                        | Staining          | Sample ID        | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithologic Descriptions                        |
| Drv   | <179           | 1.4                                | N                 | BH01             | 0.5                   | 0              | CCHE             | (0-0.5') CALICHE, tan, fine grained, some sand |
| Drv   | <179           | 1.7                                | N                 | BH01             | 1                     | 1              | SP               | (0.5'-1') SAND, red, fine grained              |
| Total Depth @ 1-foot bgs  |                |                                    |                   |                  |                       |                |                  |  |
|    |                |                                    |                   |                  |                       |                |                  |  |





## APPENDIX D

### Laboratory Analytical Reports & Chain of Custody Documentation

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Environment Testing

- 1
- 2
- 3
- 4
- 5
- 6
- 7
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# ANALYTICAL REPORT

## PREPARED FOR

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Ensolum

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Generated 12/19/2025 5:08:20 PM

## JOB DESCRIPTION

PLU ROSS RANCH 33-25-30

03C1558774

## JOB NUMBER

890-9224-1

Eurofins Carlsbad  
1089 N Canal St.  
Carlsbad NM 88220

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## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



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Client: Ensolum  
Project/Site: PLU ROSS RANCH 33-25-30

Laboratory Job ID: 890-9224-1  
SDG: 03C1558774

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Definitions/Glossary

Client: Ensolum  
Project/Site: PLU ROSS RANCH 33-25-30

Job ID: 890-9224-1  
SDG: 03C1558774

Qualifiers

GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|--|
| U         | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|--|
| S1+       | Surrogate recovery exceeds control limits, high biased.  |
| U         | Indicates the analyte was analyzed for but not detected. |

HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|--|
| U         | Indicates the analyte was analyzed for but not detected. |

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: PLU ROSS RANCH 33-25-30

Job ID: 890-9224-1

**Job ID: 890-9224-1**

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### Job Narrative 890-9224-1

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 12/12/2025 8:55 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 1.8°C.

### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SS 01 (890-9224-1), SS 02 (890-9224-2), SS 03 (890-9224-3) and SS 04 (890-9224-4).

### GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-126789 recovered above the upper control limit for Ethylbenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 880-126789/20).

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

### Diesel Range Organics

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-126638/2-A) and (LCSD 880-126638/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (890-9223-A-12-B MS). Evidence of matrix interferences is not obvious.

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.

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## Client Sample Results

Client: Ensolum  
Project/Site: PLU ROSS RANCH 33-25-30

Job ID: 890-9224-1  
SDG: 03C1558774

Client Sample ID: SS 01

Lab Sample ID: 890-9224-1

Date Collected: 12/11/25 15:35

Matrix: Solid

Date Received: 12/12/25 08:55

Sample Depth: SURFACE

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

| Analyte                     | Result           | Qualifier        | RL            | Unit  | D | Prepared        | Analyzed        | Dil Fac        |
|-----------------------------|------------------|------------------|---------------|-------|---|-----------------|-----------------|----------------|
| Benzene                     | <0.00201         | U                | 0.00201       | mg/Kg |   | 12/16/25 11:12  | 12/16/25 17:34  | 1              |
| Toluene                     | <0.00201         | U                | 0.00201       | mg/Kg |   | 12/16/25 11:12  | 12/16/25 17:34  | 1              |
| Ethylbenzene                | <0.00201         | U                | 0.00201       | mg/Kg |   | 12/16/25 11:12  | 12/16/25 17:34  | 1              |
| m-Xylene & p-Xylene         | <0.00402         | U                | 0.00402       | mg/Kg |   | 12/16/25 11:12  | 12/16/25 17:34  | 1              |
| o-Xylene                    | <0.00201         | U                | 0.00201       | mg/Kg |   | 12/16/25 11:12  | 12/16/25 17:34  | 1              |
| Xylenes, Total              | <0.00402         | U                | 0.00402       | mg/Kg |   | 12/16/25 11:12  | 12/16/25 17:34  | 1              |
| <b>Surrogate</b>            | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |       |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| 4-Bromofluorobenzene (Surr) | 106              |                  | 70 - 130      |       |   | 12/16/25 11:12  | 12/16/25 17:34  | 1              |
| 1,4-Difluorobenzene (Surr)  | 99               |                  | 70 - 130      |       |   | 12/16/25 11:12  | 12/16/25 17:34  | 1              |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 12/16/25 17:34 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.1  | U         | 50.1 | mg/Kg |   |          | 12/19/25 15:59 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result           | Qualifier        | RL            | Unit  | D | Prepared        | Analyzed        | Dil Fac        |
|--------------------------------------|------------------|------------------|---------------|-------|---|-----------------|-----------------|----------------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.1            | U                | 50.1          | mg/Kg |   | 12/15/25 09:42  | 12/19/25 15:59  | 1              |
| Diesel Range Organics (Over C10-C28) | <50.1            | U                | 50.1          | mg/Kg |   | 12/15/25 09:42  | 12/19/25 15:59  | 1              |
| Oil Range Organics (Over C28-C36)    | <50.1            | U                | 50.1          | mg/Kg |   | 12/15/25 09:42  | 12/19/25 15:59  | 1              |
| <b>Surrogate</b>                     | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |       |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| 1-Chlorooctane                       | 108              |                  | 70 - 130      |       |   | 12/15/25 09:42  | 12/19/25 15:59  | 1              |
| o-Terphenyl                          | 111              |                  | 70 - 130      |       |   | 12/15/25 09:42  | 12/19/25 15:59  | 1              |

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

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 17.8   |           | 9.94 | mg/Kg |   |          | 12/17/25 00:55 | 1       |

Client Sample ID: SS 02

Lab Sample ID: 890-9224-2

Date Collected: 12/11/25 14:32

Matrix: Solid

Date Received: 12/12/25 08:55

Sample Depth: SURFACE

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

| Analyte                     | Result           | Qualifier        | RL            | Unit  | D | Prepared        | Analyzed        | Dil Fac        |
|-----------------------------|------------------|------------------|---------------|-------|---|-----------------|-----------------|----------------|
| Benzene                     | <0.00202         | U                | 0.00202       | mg/Kg |   | 12/16/25 11:12  | 12/16/25 17:55  | 1              |
| Toluene                     | <0.00202         | U                | 0.00202       | mg/Kg |   | 12/16/25 11:12  | 12/16/25 17:55  | 1              |
| Ethylbenzene                | <0.00202         | U                | 0.00202       | mg/Kg |   | 12/16/25 11:12  | 12/16/25 17:55  | 1              |
| m-Xylene & p-Xylene         | <0.00403         | U                | 0.00403       | mg/Kg |   | 12/16/25 11:12  | 12/16/25 17:55  | 1              |
| o-Xylene                    | <0.00202         | U                | 0.00202       | mg/Kg |   | 12/16/25 11:12  | 12/16/25 17:55  | 1              |
| Xylenes, Total              | <0.00403         | U                | 0.00403       | mg/Kg |   | 12/16/25 11:12  | 12/16/25 17:55  | 1              |
| <b>Surrogate</b>            | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |       |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| 4-Bromofluorobenzene (Surr) | 106              |                  | 70 - 130      |       |   | 12/16/25 11:12  | 12/16/25 17:55  | 1              |

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## Client Sample Results

Client: Ensolum  
Project/Site: PLU ROSS RANCH 33-25-30

Job ID: 890-9224-1  
SDG: 03C1558774

Client Sample ID: SS 02

Lab Sample ID: 890-9224-2

Date Collected: 12/11/25 14:32

Matrix: Solid

Date Received: 12/12/25 08:55

Sample Depth: SURFACE

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

| Surrogate                  | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 98        |           | 70 - 130 | 12/16/25 11:12 | 12/16/25 17:55 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00403 | U         | 0.00403 | mg/Kg |   |          | 12/16/25 17:55 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 12/19/25 16:14 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     | mg/Kg |   | 12/15/25 09:42 | 12/19/25 16:14 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 12/15/25 09:42 | 12/19/25 16:14 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 12/15/25 09:42 | 12/19/25 16:14 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 120       |           | 70 - 130 |       |   | 12/15/25 09:42 | 12/19/25 16:14 | 1       |
| o-Terphenyl                          | 116       |           | 70 - 130 |       |   | 12/15/25 09:42 | 12/19/25 16:14 | 1       |

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

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 26.3   |           | 9.90 | mg/Kg |   |          | 12/17/25 01:00 | 1       |

Client Sample ID: SS 03

Lab Sample ID: 890-9224-3

Date Collected: 12/11/25 12:40

Matrix: Solid

Date Received: 12/12/25 08:55

Sample Depth: SURFACE

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

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00198  | U         | 0.00198  | mg/Kg |   | 12/16/25 11:12 | 12/16/25 18:15 | 1       |
| Toluene                     | <0.00198  | U         | 0.00198  | mg/Kg |   | 12/16/25 11:12 | 12/16/25 18:15 | 1       |
| Ethylbenzene                | <0.00198  | U         | 0.00198  | mg/Kg |   | 12/16/25 11:12 | 12/16/25 18:15 | 1       |
| m-Xylene & p-Xylene         | <0.00396  | U         | 0.00396  | mg/Kg |   | 12/16/25 11:12 | 12/16/25 18:15 | 1       |
| o-Xylene                    | <0.00198  | U         | 0.00198  | mg/Kg |   | 12/16/25 11:12 | 12/16/25 18:15 | 1       |
| Xylenes, Total              | <0.00396  | U         | 0.00396  | mg/Kg |   | 12/16/25 11:12 | 12/16/25 18:15 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 104       |           | 70 - 130 |       |   | 12/16/25 11:12 | 12/16/25 18:15 | 1       |
| 1,4-Difluorobenzene (Surr)  | 99        |           | 70 - 130 |       |   | 12/16/25 11:12 | 12/16/25 18:15 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00396 | U         | 0.00396 | mg/Kg |   |          | 12/16/25 18:15 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 12/19/25 16:30 | 1       |

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## Client Sample Results

Client: Ensolum  
Project/Site: PLU ROSS RANCH 33-25-30

Job ID: 890-9224-1  
SDG: 03C1558774

## Client Sample ID: SS 03

Lab Sample ID: 890-9224-3

Date Collected: 12/11/25 12:40

Matrix: Solid

Date Received: 12/12/25 08:55

Sample Depth: SURFACE

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 12/15/25 09:42 | 12/19/25 16:30 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 12/15/25 09:42 | 12/19/25 16:30 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 12/15/25 09:42 | 12/19/25 16:30 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 122       |           | 70 - 130 |       |   | 12/15/25 09:42 | 12/19/25 16:30 | 1       |
| o-Terphenyl                          | 126       |           | 70 - 130 |       |   | 12/15/25 09:42 | 12/19/25 16:30 | 1       |

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

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 95.3   |           | 9.92 | mg/Kg |   |          | 12/17/25 01:15 | 1       |

## Client Sample ID: SS 04

Lab Sample ID: 890-9224-4

Date Collected: 12/11/25 13:20

Matrix: Solid

Date Received: 12/12/25 08:55

Sample Depth: SURFACE

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

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 12/16/25 11:12 | 12/16/25 18:35 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 12/16/25 11:12 | 12/16/25 18:35 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  | mg/Kg |   | 12/16/25 11:12 | 12/16/25 18:35 | 1       |
| m-Xylene & p-Xylene         | <0.00400  | U         | 0.00400  | mg/Kg |   | 12/16/25 11:12 | 12/16/25 18:35 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  | mg/Kg |   | 12/16/25 11:12 | 12/16/25 18:35 | 1       |
| Xylenes, Total              | <0.00400  | U         | 0.00400  | mg/Kg |   | 12/16/25 11:12 | 12/16/25 18:35 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 105       |           | 70 - 130 |       |   | 12/16/25 11:12 | 12/16/25 18:35 | 1       |
| 1,4-Difluorobenzene (Surr)  | 98        |           | 70 - 130 |       |   | 12/16/25 11:12 | 12/16/25 18:35 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 | mg/Kg |   |          | 12/16/25 18:35 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 12/19/25 16:45 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     | mg/Kg |   | 12/15/25 09:42 | 12/19/25 16:45 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 12/15/25 09:42 | 12/19/25 16:45 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 12/15/25 09:42 | 12/19/25 16:45 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 109       |           | 70 - 130 |       |   | 12/15/25 09:42 | 12/19/25 16:45 | 1       |
| o-Terphenyl                          | 109       |           | 70 - 130 |       |   | 12/15/25 09:42 | 12/19/25 16:45 | 1       |

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Client Sample Results

Client: Ensolum  
Project/Site: PLU ROSS RANCH 33-25-30

Job ID: 890-9224-1  
SDG: 03C1558774

Client Sample ID: SS 04  
Date Collected: 12/11/25 13:20  
Date Received: 12/12/25 08:55  
Sample Depth: SURFACE

Lab Sample ID: 890-9224-4  
Matrix: Solid

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |       |   |          |                |         |  |
|--|--------|-----------|------|-------|---|----------|----------------|---------|--|
| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Chloride   | 11.0   |           | 9.94 | mg/Kg |   |          | 12/17/25 01:20 | 1       |  |

## Surrogate Summary

Client: Ensolum  
Project/Site: PLU ROSS RANCH 33-25-30

Job ID: 890-9224-1  
SDG: 03C1558774

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

Matrix: Solid

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------------|------------------------|--|-------------------|
| Lab Sample ID                     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 890-9224-1                        | SS 01                  | 106  | 99                |
| 890-9224-2                        | SS 02                  | 106  | 98                |
| 890-9224-3                        | SS 03                  | 104  | 99                |
| 890-9224-4                        | SS 04                  | 105  | 98                |
| 890-9231-A-21-G MS                | Matrix Spike           | 105  | 95                |
| 890-9231-A-21-H MSD               | Matrix Spike Duplicate | 100  | 97                |
| LCS 880-126837/1-A                | Lab Control Sample     | 89   | 101               |
| LCSD 880-126837/2-A               | Lab Control Sample Dup | 101  | 96                |
| MB 880-126837/5-A                 | Method Blank           | 94   | 91                |
| <b>Surrogate Legend</b>           |                        |  |                   |
| BFB = 4-Bromofluorobenzene (Surr) |                        |  |                   |
| DFBZ = 1,4-Difluorobenzene (Surr) |                        |  |                   |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

|                         |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-------------------------|------------------------|--|-------------------|
| Lab Sample ID           | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 890-9223-A-12-B MS      | Matrix Spike           | 121  | 144 S1+           |
| 890-9223-A-12-C MSD     | Matrix Spike Duplicate | 119  | 129               |
| 890-9224-1              | SS 01                  | 108  | 111               |
| 890-9224-2              | SS 02                  | 120  | 116               |
| 890-9224-3              | SS 03                  | 122  | 126               |
| 890-9224-4              | SS 04                  | 109  | 109               |
| LCS 880-126638/2-A      | Lab Control Sample     | 127  | 131 S1+           |
| LCSD 880-126638/3-A     | Lab Control Sample Dup | 126  | 150 S1+           |
| MB 880-126638/1-A       | Method Blank           | 116  | 102               |
| <b>Surrogate Legend</b> |                        |  |                   |
| 1CO = 1-Chlorooctane    |                        |  |                   |
| OTPH = o-Terphenyl      |                        |  |                   |



## QC Sample Results

Client: Ensolum  
Project/Site: PLU ROSS RANCH 33-25-30

Job ID: 890-9224-1  
SDG: 03C1558774

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

Lab Sample ID: MB 880-126837/5-A

Matrix: Solid

Analysis Batch: 126789

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 126837

| Analyte             | MB<br>Result | MB<br>Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|-----------------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200     | U               | 0.00200 | mg/Kg |   | 12/16/25 08:00 | 12/16/25 11:01 | 1       |
| Toluene             | <0.00200     | U               | 0.00200 | mg/Kg |   | 12/16/25 08:00 | 12/16/25 11:01 | 1       |
| Ethylbenzene        | <0.00200     | U               | 0.00200 | mg/Kg |   | 12/16/25 08:00 | 12/16/25 11:01 | 1       |
| m-Xylene & p-Xylene | <0.00400     | U               | 0.00400 | mg/Kg |   | 12/16/25 08:00 | 12/16/25 11:01 | 1       |
| o-Xylene            | <0.00200     | U               | 0.00200 | mg/Kg |   | 12/16/25 08:00 | 12/16/25 11:01 | 1       |
| Xylenes, Total      | <0.00400     | U               | 0.00400 | mg/Kg |   | 12/16/25 08:00 | 12/16/25 11:01 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 94              |                 | 70 - 130 | 12/16/25 08:00 | 12/16/25 11:01 | 1       |
| 1,4-Difluorobenzene (Surr)  | 91              |                 | 70 - 130 | 12/16/25 08:00 | 12/16/25 11:01 | 1       |

Lab Sample ID: LCS 880-126837/1-A

Matrix: Solid

Analysis Batch: 126789

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 126837

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene             | 0.100          | 0.1058        |                  | mg/Kg |   | 106  | 70 - 130       |
| Toluene             | 0.100          | 0.09015       |                  | mg/Kg |   | 90   | 70 - 130       |
| Ethylbenzene        | 0.100          | 0.09289       |                  | mg/Kg |   | 93   | 70 - 130       |
| m-Xylene & p-Xylene | 0.200          | 0.1822        |                  | mg/Kg |   | 91   | 70 - 130       |
| o-Xylene            | 0.100          | 0.09150       |                  | mg/Kg |   | 91   | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 89               |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 101              |                  | 70 - 130 |

Lab Sample ID: LCSD 880-126837/2-A

Matrix: Solid

Analysis Batch: 126789

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 126837

| Analyte             | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene             | 0.100          | 0.09865        |                   | mg/Kg |   | 99   | 70 - 130       | 7   | 35           |
| Toluene             | 0.100          | 0.09508        |                   | mg/Kg |   | 95   | 70 - 130       | 5   | 35           |
| Ethylbenzene        | 0.100          | 0.1017         |                   | mg/Kg |   | 102  | 70 - 130       | 9   | 35           |
| m-Xylene & p-Xylene | 0.200          | 0.2035         |                   | mg/Kg |   | 102  | 70 - 130       | 11  | 35           |
| o-Xylene            | 0.100          | 0.1024         |                   | mg/Kg |   | 102  | 70 - 130       | 11  | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 101               |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 96                |                   | 70 - 130 |

Lab Sample ID: 890-9231-A-21-G MS

Matrix: Solid

Analysis Batch: 126789

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 126837

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene | <0.00200         | U                   | 0.100          | 0.08210      |                 | mg/Kg |   | 82   | 70 - 130       |
| Toluene | <0.00200         | U                   | 0.100          | 0.07905      |                 | mg/Kg |   | 79   | 70 - 130       |

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## QC Sample Results

Client: Ensolum  
Project/Site: PLU ROSS RANCH 33-25-30

Job ID: 890-9224-1  
SDG: 03C1558774

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

Lab Sample ID: 890-9231-A-21-G MS

Matrix: Solid

Analysis Batch: 126789

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 126837

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene        | <0.00200      | U                | 0.100       | 0.08355   |              | mg/Kg |   | 84   | 70 - 130    |
| m-Xylene & p-Xylene | <0.00399      | U                | 0.200       | 0.1640    |              | mg/Kg |   | 82   | 70 - 130    |
| o-Xylene            | <0.00200      | U                | 0.100       | 0.08327   |              | mg/Kg |   | 83   | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 105          |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 95           |              | 70 - 130 |

Lab Sample ID: 890-9231-A-21-H MSD

Matrix: Solid

Analysis Batch: 126789

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 126837

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene             | <0.00200      | U                | 0.100       | 0.09073    |               | mg/Kg |   | 91   | 70 - 130    | 10  | 35        |
| Toluene             | <0.00200      | U                | 0.100       | 0.08204    |               | mg/Kg |   | 82   | 70 - 130    | 4   | 35        |
| Ethylbenzene        | <0.00200      | U                | 0.100       | 0.08109    |               | mg/Kg |   | 81   | 70 - 130    | 3   | 35        |
| m-Xylene & p-Xylene | <0.00399      | U                | 0.200       | 0.1597     |               | mg/Kg |   | 80   | 70 - 130    | 3   | 35        |
| o-Xylene            | <0.00200      | U                | 0.100       | 0.08234    |               | mg/Kg |   | 82   | 70 - 130    | 1   | 35        |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 100           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 97            |               | 70 - 130 |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-126638/1-A

Matrix: Solid

Analysis Batch: 127237

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 126638

| Analyte                              | MB Result | MB Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U            | 50.0 | mg/Kg |   | 12/15/25 09:41 | 12/19/25 07:23 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U            | 50.0 | mg/Kg |   | 12/15/25 09:41 | 12/19/25 07:23 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U            | 50.0 | mg/Kg |   | 12/15/25 09:41 | 12/19/25 07:23 | 1       |

| Surrogate      | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|--------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 116          |              | 70 - 130 | 12/15/25 09:41 | 12/19/25 07:23 | 1       |
| o-Terphenyl    | 102          |              | 70 - 130 | 12/15/25 09:41 | 12/19/25 07:23 | 1       |

Lab Sample ID: LCS 880-126638/2-A

Matrix: Solid

Analysis Batch: 127237

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 126638

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 945.6      |               | mg/Kg |   | 95   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 1147       |               | mg/Kg |   | 115  | 70 - 130    |

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## QC Sample Results

Client: Ensolum  
Project/Site: PLU ROSS RANCH 33-25-30

Job ID: 890-9224-1  
SDG: 03C1558774

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-126638/2-A

Matrix: Solid

Analysis Batch: 127237

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 126638

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 127       |           | 70 - 130 |
| o-Terphenyl    | 131       | S1+       | 70 - 130 |

Lab Sample ID: LCSD 880-126638/3-A

Matrix: Solid

Analysis Batch: 127237

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 126638

|                                      |  |  | Spike | LCSD   | LCSD      |       |   |      | %Rec     |     |       | RPD |
|--------------------------------------|--|--|-------|--------|-----------|-------|---|------|----------|-----|-------|-----|
| Analyte                              |  |  | Added | Result | Qualifier | Unit  | D | %Rec | Limits   | RPD | Limit |     |
| Gasoline Range Organics (GRO)-C6-C10 |  |  | 1000  | 989.5  |           | mg/Kg |   | 99   | 70 - 130 | 5   | 20    |     |
| Diesel Range Organics (Over C10-C28) |  |  | 1000  | 1286   |           | mg/Kg |   | 129  | 70 - 130 | 11  | 20    |     |

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 126       |           | 70 - 130 |
| o-Terphenyl    | 150       | S1+       | 70 - 130 |

Lab Sample ID: 890-9223-A-12-B MS

Matrix: Solid

Analysis Batch: 127237

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 126638

|                                      | Sample | Sample    | Spike | MS     | MS        |       |   |      | %Rec     |     |       |
|--------------------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte                              | Result | Qualifier | Added | Result | Qualifier | Unit  | D | %Rec | Limits   | RPD | Limit |
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 999   | 927.7  |           | mg/Kg |   | 93   | 70 - 130 |     |       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 999   | 1151   |           | mg/Kg |   | 115  | 70 - 130 |     |       |

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 121       |           | 70 - 130 |
| o-Terphenyl    | 144       | S1+       | 70 - 130 |

Lab Sample ID: 890-9223-A-12-C MSD

Matrix: Solid

Analysis Batch: 127237

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 126638

|                                      | Sample | Sample    | Spike | MSD    | MSD       |       |   |      | %Rec     |     | RPD   |
|--------------------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte                              | Result | Qualifier | Added | Result | Qualifier | Unit  | D | %Rec | Limits   | RPD | Limit |
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 999   | 953.8  |           | mg/Kg |   | 95   | 70 - 130 | 3   | 20    |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 999   | 1081   |           | mg/Kg |   | 108  | 70 - 130 | 6   | 20    |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 119       |           | 70 - 130 |
| o-Terphenyl    | 129       |           | 70 - 130 |

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## QC Sample Results

Client: Ensolum  
Project/Site: PLU ROSS RANCH 33-25-30

Job ID: 890-9224-1  
SDG: 03C1558774

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-126824/1-A  
Matrix: Solid  
Analysis Batch: 126877

Client Sample ID: Method Blank  
Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|---|----------|----------------|---------|
| Chloride | <10.0        | U               | 10.0 | mg/Kg |   |          | 12/16/25 23:36 | 1       |

Lab Sample ID: LCS 880-126824/2-A  
Matrix: Solid  
Analysis Batch: 126877

Client Sample ID: Lab Control Sample  
Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 240.4         |                  | mg/Kg |   | 96   | 90 - 110       |

Lab Sample ID: LCSD 880-126824/3-A  
Matrix: Solid  
Analysis Batch: 126877

Client Sample ID: Lab Control Sample Dup  
Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 240.2          |                   | mg/Kg |   | 96   | 90 - 110       | 0   | 20           |

Lab Sample ID: 890-9224-2 MS  
Matrix: Solid  
Analysis Batch: 126877

Client Sample ID: SS 02  
Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 26.3             |                     | 248            | 274.8        |                 | mg/Kg |   | 100  | 90 - 110       |

Lab Sample ID: 890-9224-2 MSD  
Matrix: Solid  
Analysis Batch: 126877

Client Sample ID: SS 02  
Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 26.3             |                     | 248            | 274.2         |                  | mg/Kg |   | 100  | 90 - 110       | 0   | 20           |

## QC Association Summary

Client: Ensolum  
Project/Site: PLU ROSS RANCH 33-25-30

Job ID: 890-9224-1  
SDG: 03C1558774

## GC VOA

## Analysis Batch: 126789

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-9224-1          | SS 01                  | Total/NA  | Solid  | 8021B  | 126837     |
| 890-9224-2          | SS 02                  | Total/NA  | Solid  | 8021B  | 126837     |
| 890-9224-3          | SS 03                  | Total/NA  | Solid  | 8021B  | 126837     |
| 890-9224-4          | SS 04                  | Total/NA  | Solid  | 8021B  | 126837     |
| MB 880-126837/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 126837     |
| LCS 880-126837/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 126837     |
| LCSD 880-126837/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 126837     |
| 890-9231-A-21-G MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 126837     |
| 890-9231-A-21-H MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 126837     |

## Prep Batch: 126837

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-9224-1          | SS 01                  | Total/NA  | Solid  | 5035   |            |
| 890-9224-2          | SS 02                  | Total/NA  | Solid  | 5035   |            |
| 890-9224-3          | SS 03                  | Total/NA  | Solid  | 5035   |            |
| 890-9224-4          | SS 04                  | Total/NA  | Solid  | 5035   |            |
| MB 880-126837/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-126837/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-126837/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 890-9231-A-21-G MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 890-9231-A-21-H MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 127131

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-9224-1    | SS 01            | Total/NA  | Solid  | Total BTEX |            |
| 890-9224-2    | SS 02            | Total/NA  | Solid  | Total BTEX |            |
| 890-9224-3    | SS 03            | Total/NA  | Solid  | Total BTEX |            |
| 890-9224-4    | SS 04            | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Prep Batch: 126638

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 890-9224-1          | SS 01                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-9224-2          | SS 02                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-9224-3          | SS 03                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-9224-4          | SS 04                  | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-126638/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-126638/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-126638/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 890-9223-A-12-B MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 890-9223-A-12-C MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 127237

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|--------------------|-----------|--------|----------|------------|
| 890-9224-1         | SS 01              | Total/NA  | Solid  | 8015B NM | 126638     |
| 890-9224-2         | SS 02              | Total/NA  | Solid  | 8015B NM | 126638     |
| 890-9224-3         | SS 03              | Total/NA  | Solid  | 8015B NM | 126638     |
| 890-9224-4         | SS 04              | Total/NA  | Solid  | 8015B NM | 126638     |
| MB 880-126638/1-A  | Method Blank       | Total/NA  | Solid  | 8015B NM | 126638     |
| LCS 880-126638/2-A | Lab Control Sample | Total/NA  | Solid  | 8015B NM | 126638     |

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## QC Association Summary

Client: Ensolum  
Project/Site: PLU ROSS RANCH 33-25-30

Job ID: 890-9224-1  
SDG: 03C1558774

## GC Semi VOA (Continued)

## Analysis Batch: 127237 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| LCSD 880-126638/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 126638     |
| 890-9223-A-12-B MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 126638     |
| 890-9223-A-12-C MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 126638     |

## Analysis Batch: 127320

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-9224-1    | SS 01            | Total/NA  | Solid  | 8015 NM |            |
| 890-9224-2    | SS 02            | Total/NA  | Solid  | 8015 NM |            |
| 890-9224-3    | SS 03            | Total/NA  | Solid  | 8015 NM |            |
| 890-9224-4    | SS 04            | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 126824

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 890-9224-1          | SS 01                  | Soluble   | Solid  | DI Leach |            |
| 890-9224-2          | SS 02                  | Soluble   | Solid  | DI Leach |            |
| 890-9224-3          | SS 03                  | Soluble   | Solid  | DI Leach |            |
| 890-9224-4          | SS 04                  | Soluble   | Solid  | DI Leach |            |
| MB 880-126824/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-126824/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-126824/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 890-9224-2 MS       | SS 02                  | Soluble   | Solid  | DI Leach |            |
| 890-9224-2 MSD      | SS 02                  | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 126877

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-9224-1          | SS 01                  | Soluble   | Solid  | 300.0  | 126824     |
| 890-9224-2          | SS 02                  | Soluble   | Solid  | 300.0  | 126824     |
| 890-9224-3          | SS 03                  | Soluble   | Solid  | 300.0  | 126824     |
| 890-9224-4          | SS 04                  | Soluble   | Solid  | 300.0  | 126824     |
| MB 880-126824/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 126824     |
| LCS 880-126824/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 126824     |
| LCSD 880-126824/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 126824     |
| 890-9224-2 MS       | SS 02                  | Soluble   | Solid  | 300.0  | 126824     |
| 890-9224-2 MSD      | SS 02                  | Soluble   | Solid  | 300.0  | 126824     |

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Lab Chronicle

Client: Ensolum  
Project/Site: PLU ROSS RANCH 33-25-30

Job ID: 890-9224-1  
SDG: 03C1558774

Client Sample ID: SS 01

Date Collected: 12/11/25 15:35

Date Received: 12/12/25 08:55

Lab Sample ID: 890-9224-1

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 126837       | 12/16/25 11:12       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 126789       | 12/16/25 17:34       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 127131       | 12/16/25 17:34       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 127320       | 12/19/25 15:59       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.98 g         | 10.00 mL     | 126638       | 12/15/25 09:42       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 127237       | 12/19/25 15:59       | FC      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 126824       | 12/16/25 09:47       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 0 mL           | 1.0 mL       | 126877       | 12/17/25 00:55       | CS      | EET MID |

Client Sample ID: SS 02

Date Collected: 12/11/25 14:32

Date Received: 12/12/25 08:55

Lab Sample ID: 890-9224-2

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.96 g         | 5 mL         | 126837       | 12/16/25 11:12       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 126789       | 12/16/25 17:55       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 127131       | 12/16/25 17:55       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 127320       | 12/19/25 16:14       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10.00 mL     | 126638       | 12/15/25 09:42       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 127237       | 12/19/25 16:14       | FC      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 126824       | 12/16/25 09:47       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 126877       | 12/17/25 01:00       | CS      | EET MID |

Client Sample ID: SS 03

Date Collected: 12/11/25 12:40

Date Received: 12/12/25 08:55

Lab Sample ID: 890-9224-3

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 126837       | 12/16/25 11:12       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 126789       | 12/16/25 18:15       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 127131       | 12/16/25 18:15       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 127320       | 12/19/25 16:30       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10.00 mL     | 126638       | 12/15/25 09:42       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 127237       | 12/19/25 16:30       | FC      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 126824       | 12/16/25 09:47       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 126877       | 12/17/25 01:15       | CS      | EET MID |

Client Sample ID: SS 04

Date Collected: 12/11/25 13:20

Date Received: 12/12/25 08:55

Lab Sample ID: 890-9224-4

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 126837       | 12/16/25 11:12       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 126789       | 12/16/25 18:35       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 127131       | 12/16/25 18:35       | SA      | EET MID |

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Lab Chronicle

Client: Ensolum  
Project/Site: PLU ROSS RANCH 33-25-30

Job ID: 890-9224-1  
SDG: 03C1558774

Client Sample ID: SS 04

Date Collected: 12/11/25 13:20

Date Received: 12/12/25 08:55

Lab Sample ID: 890-9224-4

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 127320       | 12/19/25 16:45       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10.00 mL     | 126638       | 12/15/25 09:42       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 127237       | 12/19/25 16:45       | FC      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 126824       | 12/16/25 09:47       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 126877       | 12/17/25 01:20       | CS      | EET MID |

Laboratory References:  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Accreditation/Certification Summary

Client: Ensolum  
Project/Site: PLU ROSS RANCH 33-25-30

Job ID: 890-9224-1  
SDG: 03C1558774

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority   | Program     | Identification Number | Expiration Date |
|---|-------------|-----------------------|-----------------|
| Texas   | NELAP       | T104704400            | 06-30-26        |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                 |
| Analysis Method   | Prep Method | Matrix                | Analyte         |
| 8015 NM   |             | Solid                 | Total TPH       |
| Total BTEX  |             | Solid                 | Total BTEX      |

Method Summary

Client: Ensolum  
Project/Site: PLU ROSS RANCH 33-25-30

Job ID: 890-9224-1  
SDG: 03C1558774

| Method      | Method Description                 | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)    | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation             | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 300.0       | Anions, Ion Chromatography         | EPA      | EET MID    |
| 5035        | Closed System Purge and Trap       | SW846    | EET MID    |
| 8015NM Prep | Microextraction                    | SW846    | EET MID    |
| DI Leach    | Deionized Water Leaching Procedure | ASTM     | EET MID    |

**Protocol References:**

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Ensolum  
Project/Site: PLU ROSS RANCH 33-25-30

Job ID: 890-9224-1  
SDG: 03C1558774

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Depth   |
|---------------|------------------|--------|----------------|----------------|---------|
| 890-9224-1    | SS 01            | Solid  | 12/11/25 15:35 | 12/12/25 08:55 | SURFACE |
| 890-9224-2    | SS 02            | Solid  | 12/11/25 14:32 | 12/12/25 08:55 | SURFACE |
| 890-9224-3    | SS 03            | Solid  | 12/11/25 12:40 | 12/12/25 08:55 | SURFACE |
| 890-9224-4    | SS 04            | Solid  | 12/11/25 13:20 | 12/12/25 08:55 | SURFACE |

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Revised Date: 08/25/2020 Rev. 2020.2





## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9224-1

SDG Number: 03C1558774

Login Number: 9224

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

| 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.  | N/A    | Refer to Job Narrative for details. |
| 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").  | N/A    |                                     |

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9224-1

SDG Number: 03C1558774

Login Number: 9224

List Number: 2

Creator: Laing, Edmundo

List Source: Eurofins Midland

List Creation: 12/15/25 09:20 AM

| Question   | Answer | Comment |
|--|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| 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").  | N/A    |         |



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Kara Naegeli

Ensolum

601 N. Marienfeld St.

Suite 400

Midland, Texas 79701

Generated 12/22/2025 1:33:03 PM

## JOB DESCRIPTION

PLU ROSS RANCH 33-25-30

03C1558774

## JOB NUMBER

890-9225-1

Eurofins Carlsbad  
1089 N Canal St.  
Carlsbad NM 88220

# Eurofins Carlsbad

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
12/22/2025 1:33:03 PM

Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440

Client: Ensolum  
Project/Site: PLU ROSS RANCH 33-25-30

Laboratory Job ID: 890-9225-1  
SDG: 03C1558774

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Definitions/Glossary

Client: Ensolum  
Project/Site: PLU ROSS RANCH 33-25-30

Job ID: 890-9225-1  
SDG: 03C1558774

Qualifiers

GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|--|
| U         | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|--|
| *1        | LCS/LCSD RPD exceeds control limits.                     |
| U         | Indicates the analyte was analyzed for but not detected. |

HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|--|
| U         | Indicates the analyte was analyzed for but not detected. |

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: PLU ROSS RANCH 33-25-30

Job ID: 890-9225-1

**Job ID: 890-9225-1**

**Eurofins Carlsbad**

### Job Narrative 890-9225-1

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 12/12/2025 8:55 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 1.8°C.

### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: BH 01 (890-9225-1) and BH 01 (890-9225-2).

### GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-126789 recovered above the upper control limit for Ethylbenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 880-126789/20).

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

### Diesel Range Organics

Method 8015MOD\_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-126639 and analytical batch 880-127324 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28).

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.

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## Client Sample Results

Client: Ensolum  
Project/Site: PLU ROSS RANCH 33-25-30

Job ID: 890-9225-1  
SDG: 03C1558774

Client Sample ID: BH 01

Lab Sample ID: 890-9225-1

Date Collected: 12/11/25 11:00

Matrix: Solid

Date Received: 12/12/25 08:55

Sample Depth: 0.5

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

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 12/16/25 11:12 | 12/16/25 19:57 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 12/16/25 11:12 | 12/16/25 19:57 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 12/16/25 11:12 | 12/16/25 19:57 | 1       |
| m-Xylene & p-Xylene | <0.00400 | U         | 0.00400 | mg/Kg |   | 12/16/25 11:12 | 12/16/25 19:57 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 | mg/Kg |   | 12/16/25 11:12 | 12/16/25 19:57 | 1       |
| Xylenes, Total      | <0.00400 | U         | 0.00400 | mg/Kg |   | 12/16/25 11:12 | 12/16/25 19:57 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 103       |           | 70 - 130 | 12/16/25 11:12 | 12/16/25 19:57 | 1       |
| 1,4-Difluorobenzene (Surr)  | 94        |           | 70 - 130 | 12/16/25 11:12 | 12/16/25 19:57 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 | mg/Kg |   |          | 12/16/25 19:57 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 12/20/25 12:28 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U *1      | 50.0 | mg/Kg |   | 12/15/25 09:44 | 12/20/25 12:28 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U *1      | 50.0 | mg/Kg |   | 12/15/25 09:44 | 12/20/25 12:28 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 | mg/Kg |   | 12/15/25 09:44 | 12/20/25 12:28 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 85        |           | 70 - 130 | 12/15/25 09:44 | 12/20/25 12:28 | 1       |
| o-Terphenyl    | 92        |           | 70 - 130 | 12/15/25 09:44 | 12/20/25 12:28 | 1       |

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

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 12.5   |           | 9.98 | mg/Kg |   |          | 12/17/25 01:35 | 1       |

Client Sample ID: BH 01

Lab Sample ID: 890-9225-2

Date Collected: 12/11/25 11:03

Matrix: Solid

Date Received: 12/12/25 08:55

Sample Depth: 1

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

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00198 | U         | 0.00198 | mg/Kg |   | 12/16/25 11:12 | 12/16/25 20:18 | 1       |
| Toluene             | <0.00198 | U         | 0.00198 | mg/Kg |   | 12/16/25 11:12 | 12/16/25 20:18 | 1       |
| Ethylbenzene        | <0.00198 | U         | 0.00198 | mg/Kg |   | 12/16/25 11:12 | 12/16/25 20:18 | 1       |
| m-Xylene & p-Xylene | <0.00396 | U         | 0.00396 | mg/Kg |   | 12/16/25 11:12 | 12/16/25 20:18 | 1       |
| o-Xylene            | <0.00198 | U         | 0.00198 | mg/Kg |   | 12/16/25 11:12 | 12/16/25 20:18 | 1       |
| Xylenes, Total      | <0.00396 | U         | 0.00396 | mg/Kg |   | 12/16/25 11:12 | 12/16/25 20:18 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 104       |           | 70 - 130 | 12/16/25 11:12 | 12/16/25 20:18 | 1       |

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## Client Sample Results

Client: Ensolum  
Project/Site: PLU ROSS RANCH 33-25-30

Job ID: 890-9225-1  
SDG: 03C1558774

Client Sample ID: BH 01

Lab Sample ID: 890-9225-2

Date Collected: 12/11/25 11:03

Matrix: Solid

Date Received: 12/12/25 08:55

Sample Depth: 1

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

| Surrogate                  | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 98        |           | 70 - 130 | 12/16/25 11:12 | 12/16/25 20:18 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00396 | U         | 0.00396 | mg/Kg |   |          | 12/16/25 20:18 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 12/20/25 13:10 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U *1      | 50.0     | mg/Kg |   | 12/15/25 09:44 | 12/20/25 13:10 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U *1      | 50.0     | mg/Kg |   | 12/15/25 09:44 | 12/20/25 13:10 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 12/15/25 09:44 | 12/20/25 13:10 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 91        |           | 70 - 130 |       |   | 12/15/25 09:44 | 12/20/25 13:10 | 1       |
| o-Terphenyl                          | 91        |           | 70 - 130 |       |   | 12/15/25 09:44 | 12/20/25 13:10 | 1       |

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

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 24.9   |           | 9.98 | mg/Kg |   |          | 12/17/25 01:40 | 1       |

## Surrogate Summary

Client: Ensolum  
Project/Site: PLU ROSS RANCH 33-25-30

Job ID: 890-9225-1  
SDG: 03C1558774

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

Matrix: Solid

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------------|------------------------|--|-------------------|
| Lab Sample ID                     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 890-9225-1                        | BH 01                  | 103  | 94                |
| 890-9225-2                        | BH 01                  | 104  | 98                |
| 890-9231-A-21-G MS                | Matrix Spike           | 105  | 95                |
| 890-9231-A-21-H MSD               | Matrix Spike Duplicate | 100  | 97                |
| LCS 880-126837/1-A                | Lab Control Sample     | 89   | 101               |
| LCSD 880-126837/2-A               | Lab Control Sample Dup | 101  | 96                |
| MB 880-126837/5-A                 | Method Blank           | 94   | 91                |
| <b>Surrogate Legend</b>           |                        |  |                   |
| BFB = 4-Bromofluorobenzene (Surr) |                        |  |                   |
| DFBZ = 1,4-Difluorobenzene (Surr) |                        |  |                   |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

|                         |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-------------------------|------------------------|--|-------------------|
| Lab Sample ID           | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 890-9225-1              | BH 01                  | 85   | 92                |
| 890-9225-1 MS           | BH 01                  | 116  | 101               |
| 890-9225-1 MSD          | BH 01                  | 117  | 103               |
| 890-9225-2              | BH 01                  | 91   | 91                |
| LCS 880-126639/2-A      | Lab Control Sample     | 108  | 101               |
| LCSD 880-126639/3-A     | Lab Control Sample Dup | 108  | 98                |
| MB 880-126639/1-A       | Method Blank           | 93   | 87                |
| <b>Surrogate Legend</b> |                        |  |                   |
| 1CO = 1-Chlorooctane    |                        |  |                   |
| OTPH = o-Terphenyl      |                        |  |                   |

## QC Sample Results

Client: Ensolum  
Project/Site: PLU ROSS RANCH 33-25-30

Job ID: 890-9225-1  
SDG: 03C1558774

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

Lab Sample ID: MB 880-126837/5-A

Matrix: Solid

Analysis Batch: 126789

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 126837

| Analyte             | MB<br>Result | MB<br>Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|-----------------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200     | U               | 0.00200 | mg/Kg |   | 12/16/25 08:00 | 12/16/25 11:01 | 1       |
| Toluene             | <0.00200     | U               | 0.00200 | mg/Kg |   | 12/16/25 08:00 | 12/16/25 11:01 | 1       |
| Ethylbenzene        | <0.00200     | U               | 0.00200 | mg/Kg |   | 12/16/25 08:00 | 12/16/25 11:01 | 1       |
| m-Xylene & p-Xylene | <0.00400     | U               | 0.00400 | mg/Kg |   | 12/16/25 08:00 | 12/16/25 11:01 | 1       |
| o-Xylene            | <0.00200     | U               | 0.00200 | mg/Kg |   | 12/16/25 08:00 | 12/16/25 11:01 | 1       |
| Xylenes, Total      | <0.00400     | U               | 0.00400 | mg/Kg |   | 12/16/25 08:00 | 12/16/25 11:01 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 94              |                 | 70 - 130 | 12/16/25 08:00 | 12/16/25 11:01 | 1       |
| 1,4-Difluorobenzene (Surr)  | 91              |                 | 70 - 130 | 12/16/25 08:00 | 12/16/25 11:01 | 1       |

Lab Sample ID: LCS 880-126837/1-A

Matrix: Solid

Analysis Batch: 126789

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 126837

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene             | 0.100          | 0.1058        |                  | mg/Kg |   | 106  | 70 - 130       |
| Toluene             | 0.100          | 0.09015       |                  | mg/Kg |   | 90   | 70 - 130       |
| Ethylbenzene        | 0.100          | 0.09289       |                  | mg/Kg |   | 93   | 70 - 130       |
| m-Xylene & p-Xylene | 0.200          | 0.1822        |                  | mg/Kg |   | 91   | 70 - 130       |
| o-Xylene            | 0.100          | 0.09150       |                  | mg/Kg |   | 91   | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 89               |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 101              |                  | 70 - 130 |

Lab Sample ID: LCSD 880-126837/2-A

Matrix: Solid

Analysis Batch: 126789

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 126837

| Analyte             | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene             | 0.100          | 0.09865        |                   | mg/Kg |   | 99   | 70 - 130       | 7   | 35           |
| Toluene             | 0.100          | 0.09508        |                   | mg/Kg |   | 95   | 70 - 130       | 5   | 35           |
| Ethylbenzene        | 0.100          | 0.1017         |                   | mg/Kg |   | 102  | 70 - 130       | 9   | 35           |
| m-Xylene & p-Xylene | 0.200          | 0.2035         |                   | mg/Kg |   | 102  | 70 - 130       | 11  | 35           |
| o-Xylene            | 0.100          | 0.1024         |                   | mg/Kg |   | 102  | 70 - 130       | 11  | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 101               |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 96                |                   | 70 - 130 |

Lab Sample ID: 890-9231-A-21-G MS

Matrix: Solid

Analysis Batch: 126789

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 126837

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene | <0.00200         | U                   | 0.100          | 0.08210      |                 | mg/Kg |   | 82   | 70 - 130       |
| Toluene | <0.00200         | U                   | 0.100          | 0.07905      |                 | mg/Kg |   | 79   | 70 - 130       |

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## QC Sample Results

Client: Ensolum  
Project/Site: PLU ROSS RANCH 33-25-30

Job ID: 890-9225-1  
SDG: 03C1558774

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

Lab Sample ID: 890-9231-A-21-G MS

Matrix: Solid

Analysis Batch: 126789

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 126837

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene                | <0.00200      | U                | 0.100       | 0.08355   |              | mg/Kg |   | 84   | 70 - 130    |
| m-Xylene & p-Xylene         | <0.00399      | U                | 0.200       | 0.1640    |              | mg/Kg |   | 82   | 70 - 130    |
| o-Xylene                    | <0.00200      | U                | 0.100       | 0.08327   |              | mg/Kg |   | 83   | 70 - 130    |
| Surrogate                   | MS %Recovery  | MS Qualifier     | Limits      |           |              |       |   |      |             |
| 4-Bromofluorobenzene (Surr) | 105           |                  | 70 - 130    |           |              |       |   |      |             |
| 1,4-Difluorobenzene (Surr)  | 95            |                  | 70 - 130    |           |              |       |   |      |             |

Lab Sample ID: 890-9231-A-21-H MSD

Matrix: Solid

Analysis Batch: 126789

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 126837

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene                     | <0.00200      | U                | 0.100       | 0.09073    |               | mg/Kg |   | 91   | 70 - 130    | 10  | 35        |
| Toluene                     | <0.00200      | U                | 0.100       | 0.08204    |               | mg/Kg |   | 82   | 70 - 130    | 4   | 35        |
| Ethylbenzene                | <0.00200      | U                | 0.100       | 0.08109    |               | mg/Kg |   | 81   | 70 - 130    | 3   | 35        |
| m-Xylene & p-Xylene         | <0.00399      | U                | 0.200       | 0.1597     |               | mg/Kg |   | 80   | 70 - 130    | 3   | 35        |
| o-Xylene                    | <0.00200      | U                | 0.100       | 0.08234    |               | mg/Kg |   | 82   | 70 - 130    | 1   | 35        |
| Surrogate                   | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |           |
| 4-Bromofluorobenzene (Surr) | 100           |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| 1,4-Difluorobenzene (Surr)  | 97            |                  | 70 - 130    |            |               |       |   |      |             |     |           |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-126639/1-A

Matrix: Solid

Analysis Batch: 127324

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 126639

| Analyte                              | MB Result    | MB Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------------|--------------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0        | U            | 50.0     | mg/Kg |   | 12/15/25 09:44 | 12/20/25 06:54 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0        | U            | 50.0     | mg/Kg |   | 12/15/25 09:44 | 12/20/25 06:54 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0        | U            | 50.0     | mg/Kg |   | 12/15/25 09:44 | 12/20/25 06:54 | 1       |
| Surrogate                            | MB %Recovery | MB Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 93           |              | 70 - 130 |       |   | 12/15/25 09:44 | 12/20/25 06:54 | 1       |
| o-Terphenyl                          | 87           |              | 70 - 130 |       |   | 12/15/25 09:44 | 12/20/25 06:54 | 1       |

Lab Sample ID: LCS 880-126639/2-A

Matrix: Solid

Analysis Batch: 127324

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 126639

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1041       |               | mg/Kg |   | 104  | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 1198       |               | mg/Kg |   | 120  | 70 - 130    |

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## QC Sample Results

Client: Ensolum  
Project/Site: PLU ROSS RANCH 33-25-30

Job ID: 890-9225-1  
SDG: 03C1558774

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-126639/2-A

Matrix: Solid

Analysis Batch: 127324

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 126639

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 108       |           | 70 - 130 |
| o-Terphenyl    | 101       |           | 70 - 130 |

Lab Sample ID: LCSD 880-126639/3-A

Matrix: Solid

Analysis Batch: 127324

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 126639

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 782.1       | *1             | mg/Kg |   | 78   | 70 - 130    | 28  | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 906.5       | *1             | mg/Kg |   | 91   | 70 - 130    | 28  | 20        |

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 108       |           | 70 - 130 |
| o-Terphenyl    | 98        |           | 70 - 130 |

Lab Sample ID: 890-9225-1 MS

Matrix: Solid

Analysis Batch: 127324

Client Sample ID: BH 01

Prep Type: Total/NA

Prep Batch: 126639

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0         | U *1             | 1000        | 824.4     |              | mg/Kg |   | 82   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | <50.0         | U *1             | 1000        | 962.6     |              | mg/Kg |   | 96   | 70 - 130    |

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 116       |           | 70 - 130 |
| o-Terphenyl    | 101       |           | 70 - 130 |

Lab Sample ID: 890-9225-1 MSD

Matrix: Solid

Analysis Batch: 127324

Client Sample ID: BH 01

Prep Type: Total/NA

Prep Batch: 126639

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0         | U *1             | 1000        | 838.3      |               | mg/Kg |   | 84   | 70 - 130    | 2   | 20        |
| Diesel Range Organics (Over C10-C28) | <50.0         | U *1             | 1000        | 973.1      |               | mg/Kg |   | 97   | 70 - 130    | 1   | 20        |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 117       |           | 70 - 130 |
| o-Terphenyl    | 103       |           | 70 - 130 |

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## QC Sample Results

Client: Ensolum  
Project/Site: PLU ROSS RANCH 33-25-30

Job ID: 890-9225-1  
SDG: 03C1558774

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-126824/1-A

Matrix: Solid

Analysis Batch: 126877

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|---|----------|----------------|---------|
| Chloride | <10.0        | U               | 10.0 | mg/Kg |   |          | 12/16/25 23:36 | 1       |

Lab Sample ID: LCS 880-126824/2-A

Matrix: Solid

Analysis Batch: 126877

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 240.4         |                  | mg/Kg |   | 96   | 90 - 110       |

Lab Sample ID: LCSD 880-126824/3-A

Matrix: Solid

Analysis Batch: 126877

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 240.2          |                   | mg/Kg |   | 96   | 90 - 110       | 0   | 20           |

Lab Sample ID: 890-9224-A-2-C MS

Matrix: Solid

Analysis Batch: 126877

Client Sample ID: Matrix Spike

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 26.3             |                     | 248            | 274.8        |                 | mg/Kg |   | 100  | 90 - 110       |

Lab Sample ID: 890-9224-A-2-D MSD

Matrix: Solid

Analysis Batch: 126877

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 26.3             |                     | 248            | 274.2         |                  | mg/Kg |   | 100  | 90 - 110       | 0   | 20           |

Eurofins Carlsbad

## QC Association Summary

Client: Ensolum  
Project/Site: PLU ROSS RANCH 33-25-30

Job ID: 890-9225-1  
SDG: 03C1558774

## GC VOA

## Analysis Batch: 126789

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-9225-1          | BH 01                  | Total/NA  | Solid  | 8021B  | 126837     |
| 890-9225-2          | BH 01                  | Total/NA  | Solid  | 8021B  | 126837     |
| MB 880-126837/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 126837     |
| LCS 880-126837/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 126837     |
| LCSD 880-126837/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 126837     |
| 890-9231-A-21-G MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 126837     |
| 890-9231-A-21-H MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 126837     |

## Prep Batch: 126837

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-9225-1          | BH 01                  | Total/NA  | Solid  | 5035   |            |
| 890-9225-2          | BH 01                  | Total/NA  | Solid  | 5035   |            |
| MB 880-126837/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-126837/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-126837/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 890-9231-A-21-G MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 890-9231-A-21-H MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 127133

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-9225-1    | BH 01            | Total/NA  | Solid  | Total BTEX |            |
| 890-9225-2    | BH 01            | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Prep Batch: 126639

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 890-9225-1          | BH 01                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-9225-2          | BH 01                  | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-126639/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-126639/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-126639/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 890-9225-1 MS       | BH 01                  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-9225-1 MSD      | BH 01                  | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 127324

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 890-9225-1          | BH 01                  | Total/NA  | Solid  | 8015B NM | 126639     |
| 890-9225-2          | BH 01                  | Total/NA  | Solid  | 8015B NM | 126639     |
| MB 880-126639/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 126639     |
| LCS 880-126639/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 126639     |
| LCSD 880-126639/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 126639     |
| 890-9225-1 MS       | BH 01                  | Total/NA  | Solid  | 8015B NM | 126639     |
| 890-9225-1 MSD      | BH 01                  | Total/NA  | Solid  | 8015B NM | 126639     |

## Analysis Batch: 127484

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-9225-1    | BH 01            | Total/NA  | Solid  | 8015 NM |            |
| 890-9225-2    | BH 01            | Total/NA  | Solid  | 8015 NM |            |

Eurofins Carlsbad

QC Association Summary

Client: Ensolum  
Project/Site: PLU ROSS RANCH 33-25-30

Job ID: 890-9225-1  
SDG: 03C1558774

HPLC/IC

Leach Batch: 126824

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 890-9225-1          | BH 01                  | Soluble   | Solid  | DI Leach |            |
| 890-9225-2          | BH 01                  | Soluble   | Solid  | DI Leach |            |
| MB 880-126824/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-126824/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-126824/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 890-9224-A-2-C MS   | Matrix Spike           | Soluble   | Solid  | DI Leach |            |
| 890-9224-A-2-D MSD  | Matrix Spike Duplicate | Soluble   | Solid  | DI Leach |            |

Analysis Batch: 126877

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-9225-1          | BH 01                  | Soluble   | Solid  | 300.0  | 126824     |
| 890-9225-2          | BH 01                  | Soluble   | Solid  | 300.0  | 126824     |
| MB 880-126824/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 126824     |
| LCS 880-126824/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 126824     |
| LCSD 880-126824/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 126824     |
| 890-9224-A-2-C MS   | Matrix Spike           | Soluble   | Solid  | 300.0  | 126824     |
| 890-9224-A-2-D MSD  | Matrix Spike Duplicate | Soluble   | Solid  | 300.0  | 126824     |

Lab Chronicle

Client: Ensolum  
Project/Site: PLU ROSS RANCH 33-25-30

Job ID: 890-9225-1  
SDG: 03C1558774

Client Sample ID: BH 01

Lab Sample ID: 890-9225-1

Date Collected: 12/11/25 11:00

Matrix: Solid

Date Received: 12/12/25 08:55

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 126837       | 12/16/25 11:12       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 126789       | 12/16/25 19:57       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 127133       | 12/16/25 19:57       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 127484       | 12/20/25 12:28       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10.00 mL     | 126639       | 12/15/25 09:44       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 127324       | 12/20/25 12:28       | FC      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 126824       | 12/16/25 09:47       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 126877       | 12/17/25 01:35       | CS      | EET MID |

Client Sample ID: BH 01

Lab Sample ID: 890-9225-2

Date Collected: 12/11/25 11:03

Matrix: Solid

Date Received: 12/12/25 08:55

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 126837       | 12/16/25 11:12       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 126789       | 12/16/25 20:18       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 127133       | 12/16/25 20:18       | SA      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 127484       | 12/20/25 13:10       | SA      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10.00 mL     | 126639       | 12/15/25 09:44       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 127324       | 12/20/25 13:10       | FC      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 126824       | 12/16/25 09:47       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 126877       | 12/17/25 01:40       | CS      | EET MID |

Laboratory References:  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Ensolum  
Project/Site: PLU ROSS RANCH 33-25-30

Job ID: 890-9225-1  
SDG: 03C1558774

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority   | Program     | Identification Number | Expiration Date |
|---|-------------|-----------------------|-----------------|
| Texas   | NELAP       | T104704400            | 06-30-26        |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                 |
| Analysis Method   | Prep Method | Matrix                | Analyte         |
| 8015 NM   |             | Solid                 | Total TPH       |
| Total BTEX  |             | Solid                 | Total BTEX      |



Method Summary

Client: Ensolum  
Project/Site: PLU ROSS RANCH 33-25-30

Job ID: 890-9225-1  
SDG: 03C1558774

| Method      | Method Description                 | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)    | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation             | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 300.0       | Anions, Ion Chromatography         | EPA      | EET MID    |
| 5035        | Closed System Purge and Trap       | SW846    | EET MID    |
| 8015NM Prep | Microextraction                    | SW846    | EET MID    |
| DI Leach    | Deionized Water Leaching Procedure | ASTM     | EET MID    |

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Ensolum  
Project/Site: PLU ROSS RANCH 33-25-30

Job ID: 890-9225-1  
SDG: 03C1558774

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-9225-1    | BH 01            | Solid  | 12/11/25 11:00 | 12/12/25 08:55 | 0.5   |
| 890-9225-2    | BH 01            | Solid  | 12/11/25 11:03 | 12/12/25 08:55 | 1     |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199



Environment Testing  
Xenco

Work Order No:

www.xenco.com Page 1 of 1

|                  |                         |                         |                                |
|------------------|-------------------------|-------------------------|--------------------------------|
| Project Manager: | Kara Naegeli            | Bill to: (if different) | Robert Woodall                 |
| Company Name:    | Ensolum                 | Company Name:           | XTO Energy, Inc                |
| Address:         | 3122 National Parks Hwy | Address:                | 3104 E Greene St               |
| City, State ZIP: | Carlsbad, NM 88220      | City, State ZIP:        | Carlsbad, NM 88220             |
| Phone:           | 512-709-2473            | Email:                  | Richard.kotzur@xencomobile.com |

|                   |                         |             |   |
|-------------------|-------------------------|-------------|---|
| Project Name:     | PLU Ross Ranch 33-25-30 | Turn Around | <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush |
| Project Number:   | 03C1558774              | Due Date:   | 32.093101, -103.892637  |
| Project Location: | 32.093101, -103.892637  | Due Date:   | 32.093101, -103.892637  |
| Sampler's Name:   | Evan Roe                | Due Date:   | 32.093101, -103.892637  |
| PO #:             |                         | Due Date:   | 32.093101, -103.892637  |

| SAMPLE RECEIPT           |     |    |                      | ANALYSIS REQUEST |    |                        |     | PRESERVATIVE CODES |   |                       |                            |
|--------------------------|-----|----|----------------------|------------------|----|------------------------|-----|--------------------|---|-----------------------|----------------------------|
| Samples Received Intact: | Yes | No | Thermometer ID:      | Yes              | No | Wet Ice:               | Yes | No                 | None  | NO                    | DI Water: H <sub>2</sub> O |
| Cooler Custody Seals:    | Yes | No | Correction Factor:   | Yes              | No | Temperature Reading:   | Yes | No                 | Cool: Cool  | MeOH: Me              |                            |
| Sample Custody Seals:    | Yes | No | Temperature Reading: | Yes              | No | Corrected Temperature: | Yes | No                 | HCL: HC   | HNO <sub>3</sub> : HN |                            |
| Total Containers:        | Yes | No | Temperature Reading: | Yes              | No | Corrected Temperature: | Yes | No                 | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   | NaOH: Na              |                            |
|                          | Yes | No | Temperature Reading: | Yes              | No | Corrected Temperature: | Yes | No                 | H <sub>3</sub> PO <sub>4</sub> : HP                               |                       |                            |
|                          | Yes | No | Temperature Reading: | Yes              | No | Corrected Temperature: | Yes | No                 | NaHSO <sub>4</sub> : NABIS  |                       |                            |
|                          | Yes | No | Temperature Reading: | Yes              | No | Corrected Temperature: | Yes | No                 | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |                       |                            |
|                          | Yes | No | Temperature Reading: | Yes              | No | Corrected Temperature: | Yes | No                 | Zn Acetate+NaOH: Zn   |                       |                            |
|                          | Yes | No | Temperature Reading: | Yes              | No | Corrected Temperature: | Yes | No                 | NaOH+Ascorbic Acid: SAPC  |                       |                            |

|  |   |               |                      |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |
|--|---|---------------|----------------------|----|----|----|----|----|---|----|----|----|----|----|----|----|----|----|----|----|---|----|----|------------------|----|----|----|----|---|---|----|
| Total  | 200.7 / 6010  | 200.8 / 6020: | 8RCRA 13PPM Texas 11 | Al | Sb | As | Ba | Be | B | Cd | Ca | Cr | Co | Cu | Fe | Pb | Mg | Mn | Mo | Ni | K | Se | Ag | SiO <sub>2</sub> | Na | Sr | Ti | Sn | U | V | Zn |
| Circle Method(s) and Metal(s) to be analyzed | TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471 |               |                      |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |

|                              |                          |               |                              |                          |           |
|------------------------------|--------------------------|---------------|------------------------------|--------------------------|-----------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time     | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
| <i>[Signature]</i>           | <i>[Signature]</i>       | 12/12/25 8002 | <i>[Signature]</i>           | <i>[Signature]</i>       | 12-12 855 |

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

## Environment Testing

eurofins

## Environment Testing

[illegible]



## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9225-1

SDG Number: 03C1558774

Login Number: 9225

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

| 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.  | N/A    | Refer to Job Narrative for details. |
| 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").  | N/A    |                                     |

## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9225-1

SDG Number: 03C1558774

Login Number: 9225

List Number: 2

Creator: Laing, Edmundo

List Source: Eurofins Midland

List Creation: 12/15/25 09:20 AM

| Question   | Answer | Comment |
|--|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| 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").  | N/A    |         |



## Appendix E

### Spill Volume Calculation

---



|  |                            |         |
|--|----------------------------|---------|
| <b>Location:</b>                         | <b>Ross Ranch 33-25-30</b> |         |
| <b>Spill Date:</b>                       | <b>10/30/2025</b>          |         |
| <b>Incident #:</b>                       | <b>nAPP2530730945</b>      |         |
| <b>Area 1</b>                            |                            |         |
| Approximate Area =                       | 7364                       | sq. ft. |
| Average Saturation (or depth) of spill = | 0.19                       | inches  |
|  |                            |         |
| Average Porosity Factor =                | 1.00                       |         |
|  |                            |         |
| <b>VOLUME OF LEAK</b>                    |                            |         |
| Total Crude Oil =                        |                            | bbls    |
| Total Produced Water =                   | 20.00                      | bbls    |
| <b>TOTAL VOLUME OF LEAK</b>              |                            |         |
| Total Crude Oil =                        |                            | bbls    |
| Total Produced Water =                   | 20.0                       | bbls    |
| <b>TOTAL VOLUME RECOVERED</b>            |                            |         |
| Total Crude Oil =                        |                            | bbls    |
| Total Produced Water =                   | 20                         | bbls    |

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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS

Action 522399

**QUESTIONS**

|   |   |
|---|---|
| Operator:<br><br>XTO ENERGY, INC<br>6401 Holiday Hill Road<br>Midland, TX 79707 | OGRID:<br><br>5380  |
|   | Action Number:<br><br>522399                                |
|   | Action Type:<br><br>[C-141] Initial C-141 (C-141-v-Initial) |

**QUESTIONS**

| Prerequisites    |   |
|------------------|---|
| Incident ID (n#) | nAPP2530730945  |
| Incident Name    | NAPP2530730945 PLU ROSS RANCH 33-25-30 @ D-33-25S-30E |
| Incident Type    | Produced Water Release                                |
| Incident Status  | Initial C-141 Received                                |

**Location of Release Source**

Please answer all the questions in this group.

|                         |                         |
|-------------------------|-------------------------|
| Site Name               | PLU Ross Ranch 33-25-30 |
| Date Release Discovered | 10/30/2025              |
| Surface Owner           | Federal                 |

**Incident Details**

Please answer all the questions in this group.

|  |                        |
|--|------------------------|
| Incident Type  | Produced Water 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   | Cause: Equipment Failure   Other (Specify)   Produced Water   Released: 20 BBL   Recovered: 20 BBL   Lost: 0 BBL.                                   |
| Is the concentration of chloride in the produced water >10,000 mg/l  | Yes   |
| Condensate Released (bbls) Details   | Not answered.   |
| Natural Gas Vented (Mcf) Details   | Not answered.   |
| Natural Gas Flared (Mcf) Details   | Not answered.   |
| Other Released Details   | Not answered.   |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts) | 20 bbls of produced water was released in impermeable containment, due to a leak on a produced water line. 20 bbls of produced water was recovered. |

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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, Page 2

Action 522399

**QUESTIONS (continued)**

|   |   |
|---|---|
| Operator:<br>XTO ENERGY, INC<br>6401 Holiday Hill Road<br>Midland, TX 79707 | OGRID:<br>5380  |
|   | Action Number:<br>522399                                |
|   | Action Type:<br>[C-141] Initial C-141 (C-141-v-Initial) |

**QUESTIONS**

| <b>Nature and Volume of Release (continued)</b>   |   |
|---|---|
| Is this a gas only submission (i.e. only significant Mcf values reported)   | No, according to supplied volumes this does not appear to be 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   | Not answered. |

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: Richard Kotzur<br>Title: Senior Project Manager<br>Email: NMEnvNotifications@exxonmobil.com<br>Date: 11/03/2025 |
|--|---|

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QUESTIONS, Page 3

Action 522399

**QUESTIONS (continued)**

|   |   |
|---|---|
| Operator:<br><br>XTO ENERGY, INC<br>6401 Holiday Hill Road<br>Midland, TX 79707 | OGRID:<br><br>5380  |
|   | Action Number:<br><br>522399                                |
|   | Action Type:<br><br>[C-141] Initial C-141 (C-141-v-Initial) |

**QUESTIONS**

|  |               |
|--|---------------|
| <b>Site Characterization</b>   |               |
| <i>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.</i> |               |
| What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)   | Not answered. |
| What method was used to determine the depth to ground water  | Not answered. |
| Did this release impact groundwater or surface water   | Not answered. |
| <b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>   |               |
| A continuously flowing watercourse or any other significant watercourse  | Not answered. |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)  | Not answered. |
| An occupied permanent residence, school, hospital, institution, or church  | Not answered. |
| A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes  | Not answered. |
| Any other fresh water well or spring   | Not answered. |
| Incorporated municipal boundaries or a defined municipal fresh water well field  | Not answered. |
| A wetland  | Not answered. |
| A subsurface mine  | Not answered. |
| An (non-karst) unstable area   | Not answered. |
| Categorize the risk of this well / site being in a karst geology   | Not answered. |
| A 100-year floodplain  | Not answered. |
| Did the release impact areas not on an exploration, development, production, or storage site   | Not answered. |

|   |    |
|---|----|
| <b>Remediation Plan</b>   |    |
| <i>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.</i>  |    |
| Requesting a remediation plan approval with this submission   | No |
| <i>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.</i> |    |

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Santa Fe, NM 87505

CONDITIONS

Action 522399

CONDITIONS

|   |   |
|---|---|
| Operator:<br>XTO ENERGY, INC<br>6401 Holiday Hill Road<br>Midland, TX 79707 | OGRID:<br>5380  |
|   | Action Number:<br>522399                                |
|   | Action Type:<br>[C-141] Initial C-141 (C-141-v-Initial) |

CONDITIONS

| Created By       | Condition  | Condition Date |
|------------------|--|----------------|
| michael.buchanan | Initial C141 is approved. Remediation closure, work plan or site characterization is due to OCD within 90-days from the discovery of the release, and no later than 02/03/2026 | 11/4/2025      |

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

QUESTIONS

Action 543783

**QUESTIONS**

|   |   |
|---|---|
| Operator:<br>XTO ENERGY, INC<br>6401 Holiday Hill Road<br>Midland, TX 79707 | OGRID:<br>5380  |
|   | Action Number:<br>543783  |
|   | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS**

| Prerequisites    |   |
|------------------|---|
| Incident ID (n#) | nAPP2530730945  |
| Incident Name    | NAPP2530730945 PLU ROSS RANCH 33-25-30 @ D-33-25S-30E |
| Incident Type    | Produced Water Release                                |
| Incident Status  | Remediation Closure Report Received                   |

**Location of Release Source**

Please answer all the questions in this group.

|                         |                         |
|-------------------------|-------------------------|
| Site Name               | PLU ROSS RANCH 33-25-30 |
| Date Release Discovered | 10/30/2025              |
| Surface Owner           | Federal                 |

**Incident Details**

Please answer all the questions in this group.

|  |                        |
|--|------------------------|
| Incident Type  | Produced Water 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   | Cause: Equipment Failure   Other (Specify)   Produced Water   Released: 20 BBL   Recovered: 20 BBL   Lost: 0 BBL.                                   |
| Is the concentration of chloride in the produced water >10,000 mg/l  | Yes   |
| Condensate Released (bbls) Details   | Not answered.   |
| Natural Gas Vented (Mcf) Details   | Not answered.   |
| Natural Gas Flared (Mcf) Details   | Not answered.   |
| Other Released Details   | Not answered.   |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts) | 20 bbls of produced water was released in impermeable containment, due to a leak on a produced water line. 20 bbls of produced water was recovered. |

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QUESTIONS, Page 2

Action 543783

**QUESTIONS (continued)**

|   |   |
|---|---|
| Operator:<br>XTO ENERGY, INC<br>6401 Holiday Hill Road<br>Midland, TX 79707 | OGRID:<br>5380  |
|   | Action Number:<br>543783  |
|   | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS**

| <b>Nature and Volume of Release (continued)</b>   |   |
|---|---|
| Is this a gas only submission (i.e. only significant Mcf values reported)   | No, according to supplied volumes this does not appear to be 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   | Not answered. |

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: Richard Kotzur<br>Title: Senior Project Manager<br>Email: NMEnvNotifications@exxonmobil.com<br>Date: 01/16/2026 |
|--|---|



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QUESTIONS, Page 3

Action 543783

**QUESTIONS (continued)**

|   |   |
|---|---|
| Operator:<br><br>XTO ENERGY, INC<br>6401 Holiday Hill Road<br>Midland, TX 79707 | OGRID:<br><br>5380  |
|   | Action Number:<br><br>543783  |
|   | Action Type:<br><br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS**

|  |                                |
|--|--------------------------------|
| <b>Site Characterization</b>   |                                |
| <i>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.</i> |                                |
| What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)   | Between 100 and 500 (ft.)      |
| What method was used to determine the depth to ground water  | NM OSE iWaters Database Search |
| Did this release impact groundwater or surface water   | No                             |
| <b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>   |                                |
| A continuously flowing watercourse or any other significant watercourse  | Between ½ and 1 (mi.)          |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)  | Between 1 and 5 (mi.)          |
| An occupied permanent residence, school, hospital, institution, or church  | Between 1 and 5 (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 ½ and 1 (mi.)          |
| A subsurface mine  | Greater than 5 (mi.)           |
| An (non-karst) unstable area   | Between 1 and 5 (mi.)          |
| Categorize the risk of this well / site being in a karst geology   | Low                            |
| A 100-year floodplain  | Between ½ and 1 (mi.)          |
| Did the release impact areas not on an exploration, development, production, or storage site   | No                             |

|   |            |
|---|------------|
| <b>Remediation Plan</b>   |            |
| <i>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.</i>  |            |
| Requesting a remediation plan approval with this submission   | Yes        |
| <i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>  |            |
| Have the lateral and vertical extents of contamination been fully delineated  | Yes        |
| Was this release entirely contained within a lined containment area   | No         |
| <b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)   |            |
| Chloride (EPA 300.0 or SM4500 Cl B)   | 95.3       |
| TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)   | 0          |
| GRO+DRO (EPA SW-846 Method 8015M)   | 0          |
| BTEX (EPA SW-846 Method 8021B or 8260B)   | 0          |
| Benzene (EPA SW-846 Method 8021B or 8260B)  | 0          |
| <i>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>  |            |
| On what estimated date will the remediation commence  | 10/30/2025 |
| On what date will (or did) the final sampling or liner inspection occur   | 12/11/2025 |
| On what date will (or was) the remediation complete(d)  | 12/11/2025 |
| What is the estimated surface area (in square feet) that will be reclaimed  | 7459       |
| What is the estimated volume (in cubic yards) that will be reclaimed  | 0          |
| What is the estimated surface area (in square feet) that will be remediated   | 7459       |
| What is the estimated volume (in cubic yards) that will be remediated   | 0          |
| <i>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.</i>  |            |
| <i>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.</i> |            |

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QUESTIONS, Page 4

Action 543783

**QUESTIONS (continued)**

|   |   |
|---|---|
| Operator:<br><br>XTO ENERGY, INC<br>6401 Holiday Hill Road<br>Midland, TX 79707 | OGRID:<br><br>5380  |
|   | Action Number:<br><br>543783  |
|   | Action Type:<br><br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS**

|  |   |
|--|---|
| <b>Remediation Plan (continued)</b>  |   |
| <i>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.</i>   |   |
| <b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>   |   |
| <i>(Select all answers below that apply.)</i>  |   |
| (Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)  | <i>Not answered.</i>  |
| (Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)  | <i>Not answered.</i>  |
| (In Situ) Soil Vapor Extraction  | <i>Not answered.</i>  |
| (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)  | <i>Not answered.</i>  |
| (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)   | <i>Not answered.</i>  |
| (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)   | <i>Not answered.</i>  |
| Ground Water Abatement pursuant to 19.15.30 NMAC   | <i>Not answered.</i>  |
| OTHER (Non-listed remedial process)  | <b>Yes</b>  |
| Other Non-listed Remedial Process. Please specify  | <b>No impacted soil identified</b>  |
| <i>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>   |   |
| 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: Richard Kotzur<br>Title: Senior Project Manager<br>Email: NMEnvNotifications@exxonmobil.com<br>Date: 01/16/2026 |
| <i>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.</i>  |   |

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QUESTIONS, Page 5

Action 543783

**QUESTIONS (continued)**

|   |   |
|---|---|
| Operator:<br><br>XTO ENERGY, INC<br>6401 Holiday Hill Road<br>Midland, TX 79707 | OGRID:<br><br>5380  |
|   | Action Number:<br><br>543783  |
|   | Action Type:<br><br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS**

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

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QUESTIONS, Page 6

Action 543783

**QUESTIONS (continued)**

|   |   |
|---|---|
| Operator:<br>XTO ENERGY, INC<br>6401 Holiday Hill Road<br>Midland, TX 79707 | OGRID:<br>5380  |
|   | Action Number:<br>543783  |
|   | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS**

| Sampling Event Information  |            |
|---|------------|
| Last sampling notification (C-141N) recorded  | 532207     |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 12/11/2025 |
| What was the (estimated) number of samples that were to be gathered                             | 5          |
| What was the sampling surface area in square feet   | 13130      |

| Remediation Closure Request  |  |
|--|--|
| <i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>  |  |
| Requesting a remediation closure approval with this submission   | Yes  |
| Have the lateral and vertical extents of contamination been fully delineated   | Yes  |
| Was this release entirely contained within a lined containment area  | No   |
| All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion   | Yes  |
| What was the total surface area (in square feet) remediated  | 7459   |
| What was the total volume (cubic yards) remediated   | 0  |
| 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   | 7459   |
| What was the total volume (in cubic yards) reclaimed   | 0  |
| Summarize any additional remediation activities not included by answers (above)  | Delineation of potential impacts at this Site determined no soil that exceeded Site Closure Criteria or the reclamation standards were located below the lined containment. Depth to groundwater has been estimated to be greater than 100 feet bgs and no other sensitive receptors were identified near the Site. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number nAPP2530730945. |
| <i>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>   |  |
| 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: Richard Kotzur<br>Title: Senior Project Manager<br>Email: NMEnvNotifications@exxonmobil.com<br>Date: 01/16/2026  |

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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS, Page 7

Action 543783

QUESTIONS (continued)

|   |   |
|---|---|
| Operator:<br><br>XTO ENERGY, INC<br>6401 Holiday Hill Road<br>Midland, TX 79707 | OGRID:<br><br>5380  |
|   | Action Number:<br><br>543783  |
|   | Action Type:<br><br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

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

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CONDITIONS

Action 543783

CONDITIONS

|   |   |
|---|---|
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CONDITIONS

| Created By       | Condition   | Condition Date |
|------------------|---|----------------|
| michael.buchanan | Liner Inspection and closure report is approved. Please note, the final sampling notification required is two business days prior to conducting final sampling, not 48 hours prior to conducting final sampling per 19.15.29.12 D. (1)(a) NMAC. | 1/27/2026      |