



1. Continue monthly O&M schedule as stated in the system adjustments and recommendations section of report.
2. Submit next quarterly report by October 15, 2025.

July 15, 2025

**New Mexico Oil Conservation Division**

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

**Re: Second Quarter 2025 – Solar SVE System Update**

James Ranch Unit #10 Battery  
Eddy County, New Mexico  
XTO Energy, Inc.  
NMOCD Incident Numbers NAB1535754357, NAB1521257588, and NAB1904653072

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), presents this *Second Quarter 2025 - Solar SVE System Update* report summarizing the solar soil vapor extraction (SVE) system performance at the James Ranch Unit #10 Battery (Site), located in Unit H, Section 1, Township 23 South, Range 30 East in Eddy County, New Mexico (Figure 1). The SVE system has operated since May 27, 2022, to remediate residual subsurface soil impacts at the Site. This report summarizes Site activities performed in April, May, and June of 2025 for the New Mexico Oil Conservation Division (NMOCD).

**SVE SYSTEM SPECIFICATIONS**

A VariSun Direct Solar SVE system is installed at the Site and consists of a 6.2 horsepower (HP) Pentair SST65 high efficiency regenerative blower capable of producing 250 cubic feet per minute (cfm) flow and a vacuum of 110 inches of water column (IWC). The system is powered by 12, 415-watt solar modules capable of producing 5 kilowatts (KW) of electricity. A motor controller automatically starts the system as soon as sunlight is available and increases the electrical output to the blower as solar power increases throughout the day.

Ten SVE wells (SVE01 through SVE06 and SVE-PT-01 through SVE-PT-04) are currently installed at the Site, as depicted on Figure 2. In order to target total petroleum hydrocarbons (TPH) and benzene, toluene, ethylbenzene, and total xylenes (BTEX) soil impacts at different depth intervals, the screened intervals of the SVE wells were installed in shallow, medium, and deep zones. Specifically, SVE wells SVE01, SVE02, SVE03, and SVE04 target shallow zone impacts and are screened at depths between 5 feet and 20 feet below ground surface (bgs). SVE wells SVE-PT-02, SVE-PT-03, and SVE-PT-04 target medium zone impacts and are screened between 15 feet and 30 feet bgs. SVE wells SVE05, SVE06, and SVE-PT-01 target deep zone impacts and are screened at depths between 25 feet and 65 feet bgs.

## SUMMARY OF SVE OPERATIONS

During the second quarter of 2025, Ensolum personnel performed routine operation and maintenance (O&M) visits to verify that the system was operating as designed and to perform any required maintenance. In accordance with the approved *Revised Remediation Work Plan – SVE System* prepared by LT Environmental, Inc. (LTE, dated October 30, 2019), O&M inspections were performed monthly this time period. Field notes taken during O&M visits are included as Appendix A.

On June 16, 2025, an O&M technician was driving by the Site and observed the SVE system disconnected from the anchors and flipped upside down, landing on the faces of the solar panels, likely due to recent high wind events. Upon further inspection, it was determined the existing system would no longer be operational without significant repairs and/or modifications to prevent similar incidents from occurring in the future. The SVE system was removed from the Site for storage at a nearby XTO yard. Photographs of the SVE system post-wind event are provided as Appendix B.

During April 2025, vapor extraction was applied to all SVE wells except for SVE03 and SVE06 (as recommended in the *Second Quarter 2023 - Solar SVE System Update*) to remove hydrocarbon impacts from the impacted zones at the Site. In May 2025, extraction well SVE02 was taken offline due to low photoionization detector (PID) readings at that location during recent O&M events.

Between March 12 and June 13, 2025, approximately 1,141 total hours of nominal daylight were available for the solar SVE system to operate. Available nominal daylight hours are based on estimates by the National Oceanic and Atmospheric Administration's (NOAA's) National Weather Service (NWS) for the Site location. Between these dates, the recorded runtime for the system based on the hour meter reading was 1,125.4 hours, equating to a runtime efficiency of 98.6 percent (%). All downtime was the result of system damage following the June storm event. Table 1 presents the SVE system runtime compared to nominal available daylight hours per month.

## VAPOR SAMPLING RESULTS

A second quarter 2025 vapor sample was collected on June 13, 2025. The vapor sample was collected from a sample port located between the SVE piping manifold and the SVE blower using a high vacuum air sampler. Prior to collection, the vapor sample was field screened with a PID for organic vapor monitoring (OVM). The vapor sample was collected directly into two 1-Liter Tedlar® bags and submitted to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico for analysis of total volatile petroleum hydrocarbons (TVPH – also known as TPH – gasoline range organics (GRO)) and BTEX following Environmental Protection Agency (EPA) Method 8260C.

TVPH concentrations account for the majority contaminant mass and system emissions, with a result of 718 micrograms per liter (µg/L). In comparison, individual BTEX constituent concentrations ranged from below the laboratory reporting limits up to 38.8 µg/L in the second quarter of 2025. Table 2 presents a summary of TVPH and BTEX analytical data collected during the sampling events, with the full laboratory analytical reports included in Appendix B.

Vapor sample data and measured stack flow rates are used to estimate total mass recovered and total emissions generated by the SVE system (Table 2). Based on these estimates, approximately 19,600 pounds (9.80 tons) of TVPH have been removed by the system to date.

## SYSTEM ADJUSTMENTS AND RECOMMENDATIONS

Due to the recent wind event in June 2025 that damaged the solar-powered SVE system beyond immediate repair, XTO is considering potential actions to be taken at the Site including, but not limited to, conducting confirmation soil sampling to assess the efficacy of the system and for potential Site closure, reinstallation of a solar-powered SVE system with additional anchoring systems to prevent future damage, or an assessment of alternative techniques to remediate remaining Site impacts. XTO will update the NMOCD in the third quarter 2025 report of any actions taken between July and September 2025. Additionally, an *Updated Remediation Work Plan* will be submitted to the NMOCD for review and approval if an alternate remedial technology is proposed for the Site.

We appreciate the opportunity to provide this report to the NMOCD. If you should have any questions or comments regarding this report, please contact the undersigned.

Sincerely,  
**Ensolum, LLC**



Stuart Hyde, PG (Licensed in WY, TX & WA)  
Senior Managing Geologist  
(970) 903-1607  
shyde@ensolum.com



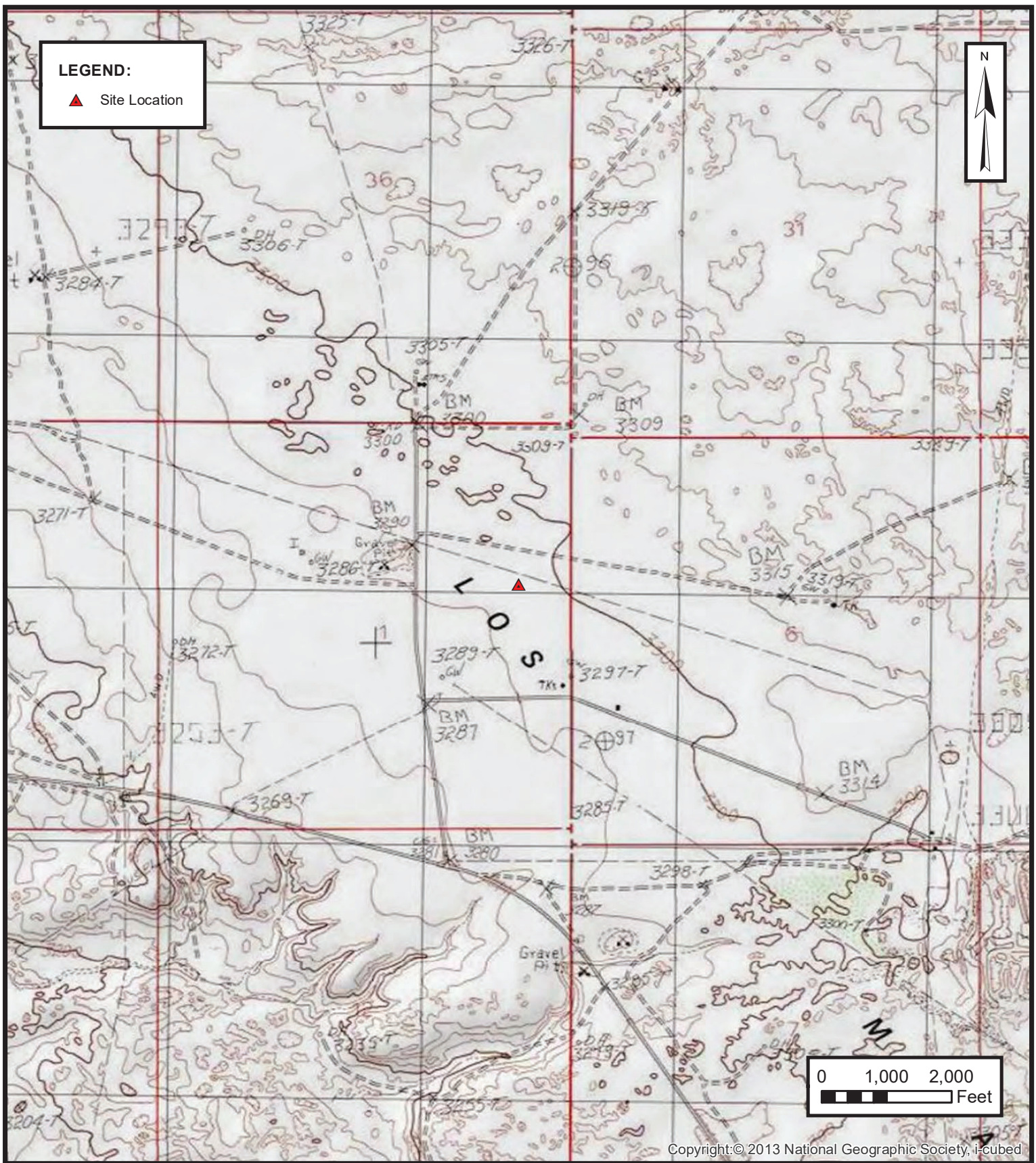
Daniel R. Moir, PG (Licensed in WY & TX)  
Senior Managing Geologist  
(303) 887-2946  
dmoir@ensolum.com

### Attachments:

|            |                                                                |
|------------|----------------------------------------------------------------|
| Figure 1   | Site Location Map                                              |
| Figure 2   | SVE System Configuration                                       |
| Table 1    | Soil Vapor Extraction System Runtime Calculations              |
| Table 2    | Soil Vapor Extraction System Mass Removal and Emissions        |
| Appendix A | Field Notes                                                    |
| Appendix B | Project Photographs                                            |
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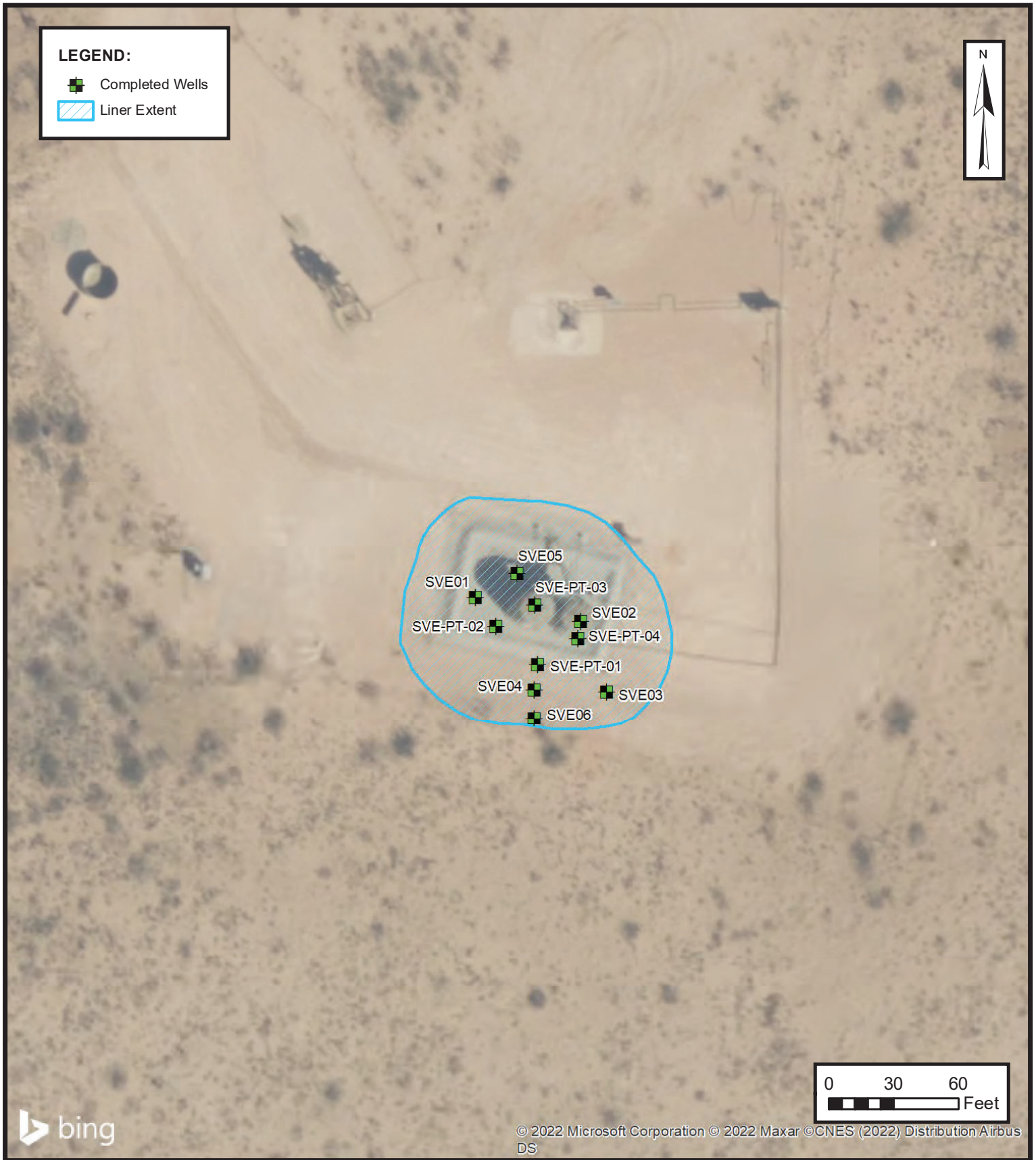
FIGURES

**SITE LOCATION MAP**

XTO ENERGY, INC  
 JAMES RANCH UNIT #10 BATTERY  
 Unit H, Sec 1, T23S, R30E  
 Eddy County, New Mexico

**FIGURE****1**

**ENSOLUM**  
 Environmental & Hydrogeologic Consultants



**ENSOLUM**  
Environmental & Hydrogeologic Consultants

**SVE SYSTEM CONFIGURATION**

XTO ENERGY, INC  
JAMES RANCH UNIT #10 BATTERY  
Unit H, Sec 1, T23S, R30E  
Eddy County, New Mexico

**FIGURE**  
**2**



TABLES



# TABLE 1 SOIL VAPOR EXTRACTION SYSTEM RUNTIME CALCULATIONS

James Ranch Unit #10 Battery  
XTO Energy  
Eddy County, New Mexico

| Date      | Runtime Meter Hours | Delta Hours |
|-----------|---------------------|-------------|
| 3/12/2025 | 10,110.6            | --          |
| 6/13/2025 | 11,236.0            | 1,125.4     |

| Time Period                 | March 12 through<br>March 31, 2025 | April 1 through April<br>30, 2025 | May 1 through May<br>30, 2025 | June 1 through June<br>13, 2025 |
|-----------------------------|------------------------------------|-----------------------------------|-------------------------------|---------------------------------|
| Days                        | 19                                 | 30                                | 30                            | 13                              |
| Avg. Nominal Daylight Hours | 11                                 | 12                                | 13                            | 14                              |
| Available Runtime Hours     | 209                                | 360                               | 390                           | 182                             |

Quarterly Available Daylight Runtime Hours 1,141  
Quarterly Runtime Hours 1,125.4  
Quarterly % Runtime 98.6%

| Month     | Days | Nominal Daylight<br>Hours | Total Month Hours |
|-----------|------|---------------------------|-------------------|
| January   | 31   | 9                         | 279               |
| February  | 28   | 10                        | 280               |
| March     | 31   | 11                        | 341               |
| April     | 30   | 12                        | 360               |
| May       | 31   | 13                        | 403               |
| June      | 30   | 14                        | 420               |
| July      | 31   | 14                        | 434               |
| August    | 31   | 13                        | 403               |
| September | 30   | 12                        | 360               |
| October   | 31   | 11                        | 341               |
| November  | 30   | 10                        | 300               |
| December  | 31   | 9                         | 279               |



**TABLE 2**  
**SOIL VAPOR EXTRACTION SYSTEM MASS REMOVAL AND EMISSIONS**  
 James Ranch Unit #10 Battery  
 XTO Energy  
 Eddy County, New Mexico

Laboratory Analytical Results

| Date           | PID (ppm) | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | TVPH (µg/L) |
|----------------|-----------|----------------|----------------|---------------------|----------------------|-------------|
| 5/27/2022*     | 679       | 12.6           | 40.5           | 10.0                | 34.6                 | 12,500      |
| 6/8/2022*      | 901       | 21.0           | 210            | 9.90                | 434                  | 35,000      |
| 6/20/2022*     | 960       | 21.2           | 199            | 10                  | 225                  | 20,200      |
| 7/18/2022*     | 535       | 17.1           | 138            | 11.1                | 252                  | 14,400      |
| 8/15/2022*     | 987       | 50.0           | 135            | 50.0                | 227                  | 12,300      |
| 9/19/2022      | 380       | 10.0           | 54.9           | 10.0                | 110                  | 4,830       |
| 12/19/2022     | 337       | 10.0           | 27.7           | 10.0                | 47.1                 | 3,030       |
| 3/15/2023      | 245       | 10.0           | 25.2           | 10.0                | 29.4                 | 1,630       |
| 6/14/2023      | 323       | 10.0           | 29.2           | 10.0                | 54.9                 | 2,180       |
| 9/20/2023      | 611       | 10.0           | 43.4           | 10.0                | 106                  | 5,210       |
| 12/14/2023     | 278       | 10.0           | 30.3           | 10.0                | 78.4                 | 3,820       |
| 3/13/2024      | 358       | 10.0           | 29.0           | 10.0                | 80.8                 | 2,900       |
| 7/2/2024       | 260       | 10.0           | 16.9           | 10.0                | 29.5                 | 870         |
| 9/12/2024      | 391       | 10.0           | 17.4           | 10.0                | 36.7                 | 841         |
| 12/11/2024     | 168       | 10.0           | 11.6           | 10.0                | 24.4                 | 455         |
| 3/12/2025      | 235       | 10.0           | 10.0           | 10.0                | 23.0                 | 378         |
| 6/13/2025      | 233       | 10.0           | 13.1           | 10.0                | 36.8                 | 718         |
| <b>Average</b> | 464       | 14.2           | 61             | 12.4                | 108                  | 7,133       |

Flow and Vapor Extraction Summary

| Date                     | Flow Rate (cfm) <sup>(1)</sup> | Total System Flow (cf) | Delta Flow (cf) | Benzene (lb/hr) | Toluene (lb/hr) | Ethylbenzene (lb/hr) | Total Xylenes (lb/hr) | TVPH (lb/hr) |
|--------------------------|--------------------------------|------------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|--------------|
| 5/27/2022                | 140                            | 0                      | --              | --              | --              | --                   | --                    | --           |
| 6/8/2022                 | 113                            | 1,046,154              | 1,046,154       | 0.00710         | 0.0529          | 0.00421              | 0.0990                | 10.0         |
| 6/20/2022                | 105                            | 2,047,854              | 1,001,700       | 0.00829         | 0.0803          | 0.00391              | 0.129                 | 10.8         |
| 7/18/2022                | 70                             | 3,572,454              | 1,524,600       | 0.00501         | 0.0441          | 0.00276              | 0.0624                | 4.53         |
| 8/15/2022                | 98                             | 5,656,098              | 2,083,644       | 0.0123          | 0.0501          | 0.0112               | 0.0879                | 4.90         |
| 9/19/2022                | 138                            | 8,742,054              | 3,085,956       | 0.0155          | 0.0490          | 0.0155               | 0.0870                | 4.42         |
| 12/19/2022               | 150                            | 15,449,754             | 6,707,700       | 0.00561         | 0.0232          | 0.00561              | 0.0441                | 2.20         |
| 3/15/2023                | 141                            | 21,230,472             | 5,780,718       | 0.00527         | 0.0139          | 0.00527              | 0.0202                | 1.23         |
| 6/14/2023                | 132                            | 29,220,168             | 7,989,696       | 0.00494         | 0.0134          | 0.00494              | 0.0208                | 0.940        |
| 9/20/2023                | 132                            | 38,728,920             | 9,508,752       | 0.00494         | 0.0179          | 0.00494              | 0.0397                | 1.82         |
| 12/14/2023               | 149                            | 45,377,598             | 6,648,678       | 0.00557         | 0.0205          | 0.00557              | 0.0514                | 2.52         |
| 3/13/2024 <sup>(2)</sup> | 133                            | 50,950,830             | 5,573,232       | 0.00497         | 0.0147          | 0.00497              | 0.0396                | 1.67         |
| 7/2/2024                 | 146                            | 62,898,594             | 11,947,764      | 0.00546         | 0.0125          | 0.00546              | 0.0301                | 1.03         |
| 9/12/2024                | 149                            | 70,953,534             | 8,054,940       | 0.00557         | 0.0096          | 0.00557              | 0.0184                | 0.48         |
| 12/11/2024               | 162                            | 78,914,214             | 7,960,680       | 0.00606         | 0.0088          | 0.00606              | 0.0185                | 0.39         |
| 3/12/2025                | 145                            | 83,643,534             | 4,729,320       | 0.00542         | 0.0059          | 0.00542              | 0.0129                | 0.23         |
| 6/13/2025                | 158                            | 94,312,326             | 10,668,792      | 0.00591         | 0.0068          | 0.00591              | 0.0177                | 0.32         |
| <b>Average</b>           |                                |                        |                 | 0.00675         | 0.0265          | 0.00608              | 0.0487                | 2.97         |

Mass Removal and Emissions Summary

| Date                               | Total SVE System Hours | Delta Hours | Benzene (pounds) | Toluene (pounds) | Ethylbenzene (pounds) | Total Xylenes (pounds) | TVPH (pounds) | TVPH (tons) |
|------------------------------------|------------------------|-------------|------------------|------------------|-----------------------|------------------------|---------------|-------------|
| 5/27/2022                          | 0                      | 0           | --               | --               | --                    | --                     | --            | --          |
| 6/8/2022                           | 154                    | 154         | 1.10             | 8.17             | 0.649                 | 15.3                   | 1,549         | 0.774       |
| 6/20/2022                          | 313                    | 159         | 1.32             | 12.8             | 0.621                 | 20.6                   | 1,723         | 0.862       |
| 7/18/2022                          | 676                    | 363         | 1.82             | 16.0             | 1.00                  | 22.7                   | 1,644         | 0.822       |
| 8/15/2022                          | 1,030                  | 354         | 4.36             | 17.7             | 3.97                  | 31.1                   | 1,734         | 0.867       |
| 9/19/2022                          | 1,403                  | 373         | 5.77             | 18.3             | 5.77                  | 32.4                   | 1,648         | 0.824       |
| 12/19/2022                         | 2,148                  | 745         | 4.18             | 17.3             | 4.18                  | 32.8                   | 1,643         | 0.822       |
| 3/15/2023                          | 2,832                  | 683         | 3.60             | 9.5              | 3.60                  | 13.8                   | 840           | 0.420       |
| 6/14/2023                          | 3,840                  | 1,009       | 4.98             | 13.5             | 4.98                  | 21.0                   | 949           | 0.474       |
| 9/20/2023                          | 5,041                  | 1,201       | 5.93             | 21.5             | 5.93                  | 47.7                   | 2,190         | 1.10        |
| 12/14/2023                         | 5,785                  | 744         | 4.14             | 15.3             | 4.14                  | 38.2                   | 1,871         | 0.936       |
| 3/13/2024                          | 6,483                  | 698         | 3.47             | 10.3             | 3.47                  | 27.7                   | 1,167         | 0.584       |
| 7/2/2024                           | 7,847                  | 1,364       | 7.45             | 17.1             | 7.45                  | 41.1                   | 1,404         | 0.702       |
| 9/12/2024                          | 8,748                  | 901         | 5.02             | 8.6              | 5.02                  | 16.6                   | 430           | 0.215       |
| 12/11/2024                         | 9,567                  | 819         | 4.96             | 7.2              | 4.96                  | 15.2                   | 322           | 0.161       |
| 3/12/2025                          | 10,111                 | 544         | 2.95             | 3.2              | 2.95                  | 7.0                    | 123           | 0.061       |
| 6/13/2025                          | 11,236                 | 1,125       | 6.65             | 7.7              | 6.65                  | 19.9                   | 364           | 0.182       |
| <b>Total Mass Recovery to Date</b> |                        |             | 67.7             | 204.1            | 65.4                  | 403                    | 19,600        | 9.80        |

Notes:

(1): average flow calculated from telemetry data beginning 9/21/2023

(2): flow rate for 3/13/2024 calcs based on January and February telemetry plus March site visit due to telemetry issues

cf: cubic feet

cfm: cubic feet per minute

µg/L: micrograms per liter

lb/hr: pounds per hour

--: not sampled

PID: photoionization detector

ppm: parts per million

SVE: soil vapor extraction

TVPH: total volatile petroleum hydrocarbons

gray: laboratory reporting limit used for calculating emissions

\*: analytical results differ from those reported in the August 23, 2022 "Solar SVE System Update" due to unit conversion errors



# APPENDIX A

## Field Notes

---

4-16-25

Site log:  
14:00 on site Sunny light wind 95°F

Main Vac 30 inH<sub>2</sub>O  
Runtime 10,536 hr  
Flow 121.4 cfm

| Wells: | (inH <sub>2</sub> O) |
|--------|----------------------|
| 02     | 22                   |
| PT04   | 24                   |
| PT01   | 20                   |
| 03 -   | N/A valve closed     |
| 05     | 24                   |
| PT03   | 21                   |
| 01     | 23                   |
| 04     | 23                   |
| 06     | N/A valve closed     |
| PT02   | 25                   |

16:30  
off site

*[Signature]*

Location JRV ISSUEDate 5-16-23

23

Project / Client XTO

CW

9:30 on site + JSA, System running, sunny  
 closing SVE02  
 KO tank  $\frac{1}{4}$  full

10:00 collect readings

Runtime 10,899 hr

Main Vac 40 (in H<sub>2</sub>O)

Flow 131.8 (cfm)

Wells (in H<sub>2</sub>O)

02 N/A closed

PT04 32

PT01 29

03 N/A closed

05 30

PT03 29

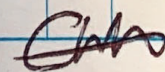
01 30

04 30

06 N/A closed

PT02 32

10:30 off site



Rite in the Rain

11:30 on site Sunny 97°F system running, KO tank Dry

Man Vae: 36 (in H<sub>2</sub>O) ← [~40 expected in full sunlight]

Run time: 11,236 (hr.)

Flow: 124 (cfm) (PID ppm)

Affluent all wells: 96.9

Influent all wells: 233.3 Sample collected 11:55 am

| Wells | (PID ppm)    | (in H <sub>2</sub> O) | 2 x 1L Tedlar bags |
|-------|--------------|-----------------------|--------------------|
| 02    | Valve closed | —                     |                    |
| PT04  | 276          | 30                    |                    |
| PT01  | 2,338        | 28                    |                    |
| 03    | Valve closed | —                     |                    |
| 05    | 419          | 28                    |                    |
| PT03  | 328          | 26                    |                    |
| 01    | 113          | 26                    |                    |
| 04    | 72.9         | 27                    |                    |
| 06    | Valve closed | —                     |                    |
| PT02  | 72.9         | 30                    |                    |

12:15 photographed damage to solar panels

12:30 offsite to turn in samples to correlative.

CH



## APPENDIX B

### Project Photographs

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**PROJECT PHOTOGRAPHS**  
James Ranch Unit #10 Battery  
Eddy County, New Mexico  
Hilcorp Energy Company

**Photograph 1**

SVE System Post-Storm  
June 16, 2025 at 9:56 AM

Date & Time: Mon, Jun 16, 2025 at 09:56:31 MDT  
Position: +032.335605° / -103.827562° (±23.2ft)  
Altitude: 3299ft (±9.8ft)  
Datum: WGS-84  
Azimuth/Bearing: 184° S04W 3271mils True (±15°)  
Elevation Angle: -01.8°  
Horizon Angle: +00.8°  
Zoom: 1.0X  
JRU 10

**Photograph 2**

SVE System Post-Storm  
June 16, 2025 at 9:54 AM

Date & Time: Mon, Jun 16, 2025 at 09:54:30 MDT  
Position: +032.335451° / -103.827633° (±25.2ft)  
Altitude: 3302ft (±9.8ft)  
Datum: WGS-84  
Azimuth/Bearing: 041° N41E 0729mils True (±13°)  
Elevation Angle: -05.8°  
Horizon Angle: -01.9°  
Zoom: 1.0X  
JRU 10





## APPENDIX C

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

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Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Stuart Hyde

Ensolum

601 N. Marienfeld St.

Suite 400

Midland, Texas 79701

Generated 6/16/2025 7:28:25 PM

## JOB DESCRIPTION

James Ranch Unit #10 03C1558041

Rural Eddy, NM

## JOB NUMBER

890-8291-1

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  
6/16/2025 7:28:25 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: James Ranch Unit #10 03C1558041

Laboratory Job ID: 890-8291-1  
SDG: Rural Eddy, NM

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Definitions/Glossary

Client: Ensolum  
Project/Site: James Ranch Unit #10 03C1558041

Job ID: 890-8291-1  
SDG: Rural Eddy, NM

Qualifiers

GC/MS VOA

| 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: James Ranch Unit #10 03C1558041

Job ID: 890-8291-1

Job ID: 890-8291-1Eurofins Carlsbad

Job Narrative  
890-8291-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The sample was received on 6/13/2025 1:02 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice.

Gasoline Range Organics

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

GC/MS VOA

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

Eurofins Carlsbad

## Client Sample Results

Client: Ensolum  
Project/Site: James Ranch Unit #10 03C1558041

Job ID: 890-8291-1  
SDG: Rural Eddy, NM

## Client Sample ID: INFLUENT ALL WELLS

Lab Sample ID: 890-8291-1

Date Collected: 06/13/25 11:55

Matrix: Air

Date Received: 06/13/25 13:02

Sample Container: Tedlar Bag 1L

## Method: SW846 8260C GRO - Volatile Organic Compounds (GC/MS)

| Analyte                     | Result           | Qualifier        | RL            | Unit  | D | Prepared        | Analyzed        | Dil Fac        |
|-----------------------------|------------------|------------------|---------------|-------|---|-----------------|-----------------|----------------|
| Gasoline Range Organics     | 716000           |                  | 50000         | ug/m3 |   |                 | 06/14/25 16:16  | 1              |
| <i>Surrogate</i>            | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> |       |   | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
| 4-Bromofluorobenzene (Surr) | 104              |                  | 60 - 140      |       |   |                 | 06/14/25 16:16  | 1              |

## Method: SW846 8260C - Volatile Organic Compounds (GCMS)

| Analyte                     | Result           | Qualifier        | RL            | Unit  | D | Prepared        | Analyzed        | Dil Fac        |
|-----------------------------|------------------|------------------|---------------|-------|---|-----------------|-----------------|----------------|
| Benzene                     | <10000           | U                | 10000         | ug/m3 |   |                 | 06/14/25 15:27  | 1              |
| Toluene                     | 13100            |                  | 10000         | ug/m3 |   |                 | 06/14/25 15:27  | 1              |
| Ethylbenzene                | <10000           | U                | 10000         | ug/m3 |   |                 | 06/14/25 15:27  | 1              |
| m,p-Xylenes                 | 35600            |                  | 20000         | ug/m3 |   |                 | 06/14/25 15:27  | 1              |
| o-Xylene                    | <10000           | U                | 10000         | ug/m3 |   |                 | 06/14/25 15:27  | 1              |
| Xylenes, Total              | 35600            |                  | 20000         | ug/m3 |   |                 | 06/14/25 15:27  | 1              |
| <i>Surrogate</i>            | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> |       |   | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
| 4-Bromofluorobenzene (Surr) | 102              |                  | 70 - 135      |       |   |                 | 06/14/25 15:27  | 1              |

Surrogate Summary

Client: Ensolum  
Project/Site: James Ranch Unit #10 03C1558041

Job ID: 890-8291-1  
SDG: Rural Eddy, NM

Method: 8260C - Volatile Organic Compounds (GCMS)  
Matrix: Air

Prep Type: Total/NA

| Percent Surrogate Recovery (Acceptance Limits) |                        |                 |
|------------------------------------------------|------------------------|-----------------|
| Lab Sample ID                                  | Client Sample ID       | BFB<br>(70-135) |
| 890-8291-1                                     | INFLUENT ALL WELLS     | 102             |
| LCS 860-242513/3                               | Lab Control Sample     | 99              |
| LCSD 860-242513/4                              | Lab Control Sample Dup | 99              |
| MB 860-242513/6                                | Method Blank           | 95              |
| Surrogate Legend                               |                        |                 |
| BFB = 4-Bromofluorobenzene (Surr)              |                        |                 |

Method: 8260C GRO - Volatile Organic Compounds (GC/MS)  
Matrix: Air

Prep Type: Total/NA

| Percent Surrogate Recovery (Acceptance Limits) |                        |                 |
|------------------------------------------------|------------------------|-----------------|
| Lab Sample ID                                  | Client Sample ID       | BFB<br>(60-140) |
| 890-8291-1                                     | INFLUENT ALL WELLS     | 104             |
| LCS 860-242493/1010                            | Lab Control Sample     | 102             |
| LCSD 860-242493/11                             | Lab Control Sample Dup | 101             |
| MB 860-242493/13                               | Method Blank           | 98              |
| Surrogate Legend                               |                        |                 |
| BFB = 4-Bromofluorobenzene (Surr)              |                        |                 |

## QC Sample Results

Client: Ensolum  
Project/Site: James Ranch Unit #10 03C1558041

Job ID: 890-8291-1  
SDG: Rural Eddy, NM

## Method: 8260C - Volatile Organic Compounds (GCMS)

Lab Sample ID: MB 860-242513/6

Matrix: Air

Analysis Batch: 242513

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte        | MB<br>Result | MB<br>Qualifier | RL    | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------------|--------------|-----------------|-------|-------|---|----------|----------------|---------|
| Benzene        | <10000       | U               | 10000 | ug/m3 |   |          | 06/14/25 15:03 | 1       |
| Toluene        | <10000       | U               | 10000 | ug/m3 |   |          | 06/14/25 15:03 | 1       |
| Ethylbenzene   | <10000       | U               | 10000 | ug/m3 |   |          | 06/14/25 15:03 | 1       |
| m,p-Xylenes    | <20000       | U               | 20000 | ug/m3 |   |          | 06/14/25 15:03 | 1       |
| o-Xylene       | <10000       | U               | 10000 | ug/m3 |   |          | 06/14/25 15:03 | 1       |
| Xylenes, Total | <20000       | U               | 20000 | ug/m3 |   |          | 06/14/25 15:03 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 95              |                 | 70 - 135 |          | 06/14/25 15:03 | 1       |

Lab Sample ID: LCS 860-242513/3

Matrix: Air

Analysis Batch: 242513

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte      | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|--------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene      | 50000          | 41060         |                  | ug/m3 |   | 82   | 70 - 125       |
| Toluene      | 50000          | 49090         |                  | ug/m3 |   | 98   | 70 - 125       |
| Ethylbenzene | 50000          | 51300         |                  | ug/m3 |   | 103  | 70 - 125       |
| m,p-Xylenes  | 50000          | 52300         |                  | ug/m3 |   | 105  | 70 - 125       |
| o-Xylene     | 50000          | 52280         |                  | ug/m3 |   | 105  | 70 - 125       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 99               |                  | 70 - 135 |

Lab Sample ID: LCSD 860-242513/4

Matrix: Air

Analysis Batch: 242513

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte      | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|--------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene      | 50000          | 42120          |                   | ug/m3 |   | 84   | 70 - 125       | 3   | 35           |
| Toluene      | 50000          | 50150          |                   | ug/m3 |   | 100  | 70 - 125       | 2   | 35           |
| Ethylbenzene | 50000          | 52580          |                   | ug/m3 |   | 105  | 70 - 125       | 2   | 35           |
| m,p-Xylenes  | 50000          | 52810          |                   | ug/m3 |   | 106  | 70 - 125       | 1   | 35           |
| o-Xylene     | 50000          | 52700          |                   | ug/m3 |   | 105  | 70 - 125       | 1   | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 99                |                   | 70 - 135 |

## Method: 8260C GRO - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 860-242493/13

Matrix: Air

Analysis Batch: 242493

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                 | MB<br>Result | MB<br>Qualifier | RL    | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-------------------------|--------------|-----------------|-------|-------|---|----------|----------------|---------|
| Gasoline Range Organics | <50000       | U               | 50000 | ug/m3 |   |          | 06/14/25 15:53 | 1       |

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## QC Sample Results

Client: Ensolum  
Project/Site: James Ranch Unit #10 03C1558041

Job ID: 890-8291-1  
SDG: Rural Eddy, NM

## Method: 8260C GRO - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 860-242493/13

Matrix: Air

Analysis Batch: 242493

Client Sample ID: Method Blank

Prep Type: Total/NA

|                             | MB        | MB        |          |          |                |         |  |  |  |  |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|--|--|--|--|
| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |  |  |  |  |
| 4-Bromofluorobenzene (Surr) | 98        |           | 60 - 140 |          | 06/14/25 15:53 | 1       |  |  |  |  |

Lab Sample ID: LCS 860-242493/1010

Matrix: Air

Analysis Batch: 242493

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

|                             |           |           | Spike    | LCS    | LCS       |       |   |      | %Rec     |  |  |
|-----------------------------|-----------|-----------|----------|--------|-----------|-------|---|------|----------|--|--|
| Analyte                     |           |           | Added    | Result | Qualifier | Unit  | D | %Rec | Limits   |  |  |
| Gasoline Range Organics     |           |           | 500000   | 523700 |           | ug/m3 |   | 105  | 57 - 134 |  |  |
| Surrogate                   | %Recovery | Qualifier | Limits   |        |           |       |   |      |          |  |  |
| 4-Bromofluorobenzene (Surr) | 102       |           | 60 - 140 |        |           |       |   |      |          |  |  |

Lab Sample ID: LCSD 860-242493/11

Matrix: Air

Analysis Batch: 242493

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

|                             |           |           | Spike    | LCSD   | LCSD      |       |   |      | %Rec     |     | RPD   |  |
|-----------------------------|-----------|-----------|----------|--------|-----------|-------|---|------|----------|-----|-------|--|
| Analyte                     |           |           | Added    | Result | Qualifier | Unit  | D | %Rec | Limits   | RPD | Limit |  |
| Gasoline Range Organics     |           |           | 500000   | 552800 |           | ug/m3 |   | 111  | 57 - 134 | 5   | 35    |  |
| Surrogate                   | %Recovery | Qualifier | Limits   |        |           |       |   |      |          |     |       |  |
| 4-Bromofluorobenzene (Surr) | 101       |           | 60 - 140 |        |           |       |   |      |          |     |       |  |

QC Association Summary

Client: Ensolum  
Project/Site: James Ranch Unit #10 03C1558041

Job ID: 890-8291-1  
SDG: Rural Eddy, NM

GC/MS VOA

Analysis Batch: 242493

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method    | Prep Batch |
|---------------------|------------------------|-----------|--------|-----------|------------|
| 890-8291-1          | INFLUENT ALL WELLS     | Total/NA  | Air    | 8260C GRO |            |
| MB 860-242493/13    | Method Blank           | Total/NA  | Air    | 8260C GRO |            |
| LCS 860-242493/1010 | Lab Control Sample     | Total/NA  | Air    | 8260C GRO |            |
| LCSD 860-242493/11  | Lab Control Sample Dup | Total/NA  | Air    | 8260C GRO |            |

Analysis Batch: 242513

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 890-8291-1        | INFLUENT ALL WELLS     | Total/NA  | Air    | 8260C  |            |
| MB 860-242513/6   | Method Blank           | Total/NA  | Air    | 8260C  |            |
| LCS 860-242513/3  | Lab Control Sample     | Total/NA  | Air    | 8260C  |            |
| LCSD 860-242513/4 | Lab Control Sample Dup | Total/NA  | Air    | 8260C  |            |

Lab Chronicle

Client: Ensolum  
Project/Site: James Ranch Unit #10 03C1558041

Job ID: 890-8291-1  
SDG: Rural Eddy, NM

Client Sample ID: INFLUENT ALL WELLS  
Date Collected: 06/13/25 11:55  
Date Received: 06/13/25 13:02

Lab Sample ID: 890-8291-1  
Matrix: Air

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1          | 5 mL           | 5 mL         | 242513       | 06/14/25 15:27       | KLV     | EET HOU |
| Total/NA  | Analysis   | 8260C GRO    |     | 1          | 5 mL           | 5 mL         | 242493       | 06/14/25 16:16       | KLV     | EET HOU |

Laboratory References:  
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

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Accreditation/Certification Summary

Client: Ensolum  
Project/Site: James Ranch Unit #10 03C1558041

Job ID: 890-8291-1  
SDG: Rural Eddy, NM

Laboratory: Eurofins Houston

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

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|-------------------------|
| Texas                                                                                                                                                                                                 | NELAP       | T104704215            | 06-30-25                |
| 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                 |
| 8260C                                                                                                                                                                                                 |             | Air                   | Benzene                 |
| 8260C                                                                                                                                                                                                 |             | Air                   | Ethylbenzene            |
| 8260C                                                                                                                                                                                                 |             | Air                   | m,p-Xylenes             |
| 8260C                                                                                                                                                                                                 |             | Air                   | o-Xylene                |
| 8260C                                                                                                                                                                                                 |             | Air                   | Toluene                 |
| 8260C                                                                                                                                                                                                 |             | Air                   | Xylenes, Total          |
| 8260C GRO                                                                                                                                                                                             |             | Air                   | Gasoline Range Organics |

Method Summary

Client: Ensolum  
Project/Site: James Ranch Unit #10 03C1558041

Job ID: 890-8291-1  
SDG: Rural Eddy, NM

| Method    | Method Description                 | Protocol | Laboratory |
|-----------|------------------------------------|----------|------------|
| 8260C     | Volatile Organic Compounds (GCMS)  | SW846    | EET HOU    |
| 8260C GRO | Volatile Organic Compounds (GC/MS) | SW846    | EET HOU    |
| 5030C     | Collection/Prep Tedlar Bag (P&T)   | SW846    | EET HOU    |

Protocol References:

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

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

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Sample Summary

Client: Ensolum  
Project/Site: James Ranch Unit #10 03C1558041

Job ID: 890-8291-1  
SDG: Rural Eddy, NM

| Lab Sample ID | Client Sample ID   | Matrix | Collected      | Received       |
|---------------|--------------------|--------|----------------|----------------|
| 890-8291-1    | INFLUENT ALL WELLS | Air    | 06/13/25 11:55 | 06/13/25 13:02 |

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# AIR SAMPLING CHAIN OF CUSTODY

Xenco Job #:

Stafford, Texas (281-240-4200)

San Antonio, Texas (210-509-3334)

Phoenix, Arizona (480-355-0900)

Dallas, Texas (214-902-0300)

Lubbock, TX (806-794-1296)

Midland, TX (432-704-5251)

El Paso, TX (915-585-3443)

Setting the Standard since 1990

Page 1 of 1

| Client/Project Information                                                                                                                               |                              |                          |                      |                                                      |                               | AIR TYPE                                                                                                                                        | Sampling Equipment Information |                                                 |             |                   |                                        |                                                                     | Analysis Requested                   |            |            |  | Remarks |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------------------|----------------------|------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------------------------------------------|-------------|-------------------|----------------------------------------|---------------------------------------------------------------------|--------------------------------------|------------|------------|--|---------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: Ensolum                                                                                                                                    | Project Contact: Stuart Hyde | Email: shyde@ensolum.com | Ph.No.: 337-257-8307 | Project Name & No.: James Ranch Unit #10, 03C1558041 | Site Location: Rural Eddy, NM | Cost Center: 1135831001 AFE: EW.2019.03368.EXP.01                                                                                               | Sampler(s):                    | I = Indoor<br>Vapor<br>SV = Soil<br>A = Ambient | Canister ID | Flow Regulator ID | Canister Pressure in field ("Hg) Start | Canister Pressure in field ("Hg) Stop                               | Incoming Canister Pressure ("Hg) Lab | TVPH(8015) | BTEX(8021) |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lab #                                                                                                                                                    | Field ID/Point of Collection | Start Date               | Start Time           | Stop Date                                            | Stop Time                     |                                                                                                                                                 |                                |                                                 |             |                   |                                        |                                                                     |                                      |            |            |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                          | Influent All Wells           | 6-13-25                  | 11:55                | 6-13-25                                              | 11:55                         |                                                                                                                                                 |                                | SV                                              |             |                   |                                        |                                                                     |                                      | X          | X          |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <div style="text-align: center;"><br/>890-8291 Chain of Custody</div> |                              |                          |                      |                                                      |                               |                                                                                                                                                 |                                |                                                 |             |                   |                                        |                                                                     |                                      |            |            |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                          |                              |                          |                      |                                                      |                               |                                                                                                                                                 |                                |                                                 |             |                   |                                        |                                                                     |                                      |            |            |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                          |                              |                          |                      |                                                      |                               |                                                                                                                                                 |                                |                                                 |             |                   |                                        |                                                                     |                                      |            |            |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                          |                              |                          |                      |                                                      |                               |                                                                                                                                                 |                                |                                                 |             |                   |                                        |                                                                     |                                      |            |            |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                          |                              |                          |                      |                                                      |                               |                                                                                                                                                 |                                |                                                 |             |                   |                                        |                                                                     |                                      |            |            |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                          |                              |                          |                      |                                                      |                               |                                                                                                                                                 |                                |                                                 |             |                   |                                        |                                                                     |                                      |            |            |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                          |                              |                          |                      |                                                      |                               |                                                                                                                                                 |                                |                                                 |             |                   |                                        |                                                                     |                                      |            |            |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                          |                              |                          |                      |                                                      |                               |                                                                                                                                                 |                                |                                                 |             |                   |                                        |                                                                     |                                      |            |            |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                          |                              |                          |                      |                                                      |                               |                                                                                                                                                 |                                |                                                 |             |                   |                                        |                                                                     |                                      |            |            |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                          |                              |                          |                      |                                                      |                               |                                                                                                                                                 |                                |                                                 |             |                   |                                        |                                                                     |                                      |            |            |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| (1) Relinquished By:                                                                                                                                     |                              | Date/Time                |                      | (1) Received By:                                     |                               | Requested TAT                                                                                                                                   |                                |                                                 |             |                   |                                        | Shipping Information                                                |                                      |            |            |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6/13                                                                                                                                                     |                              | 13:02                    |                      | [Signature]                                          |                               | <input checked="" type="checkbox"/> Contract TAT <input type="checkbox"/> 3 Day <input type="checkbox"/> Same Day                               |                                |                                                 |             |                   |                                        | <input type="checkbox"/> FedEx <input type="checkbox"/> Other:      |                                      |            |            |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| (2) Relinquished By:                                                                                                                                     |                              | Date/Time                |                      | (2) Received By:                                     |                               | <input type="checkbox"/> 7 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Need By:                                                 |                                |                                                 |             |                   |                                        | <input type="checkbox"/> UPS <input type="checkbox"/> Tracking No.: |                                      |            |            |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| (3) Relinquished By:                                                                                                                                     |                              | Date/Time                |                      | (3) Received By:                                     |                               | <input type="checkbox"/> 5 Day <input type="checkbox"/> 1 Day                                                                                   |                                |                                                 |             |                   |                                        | <input type="checkbox"/> LSO                                        |                                      |            |            |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| (4) Relinquished By:                                                                                                                                     |                              | Date/Time                |                      | (4) Received By:                                     |                               | Special Requests/Instructions: Collected 2-1 Liter Tedlar bags.<br>Bill to: Amy Ruth, XTO Energy, Inc., Address: 3104 E. Green St. Carlsbad, NM |                                |                                                 |             |                   |                                        |                                                                     |                                      |            |            |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-8291-1

SDG Number: Rural Eddy, NM

Login Number: 8291

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.                                                    | N/A    |                                     |
| 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: 890-8291-1

SDG Number: Rural Eddy, NM

Login Number: 8291

List Number: 2

Creator: Grandits, Corey

List Source: Eurofins Houston

List Creation: 06/14/25 10:37 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.                                                    | True   |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | True   |         |

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

General Information  
Phone: (505) 629-6116

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

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

CONDITIONS

Action 487024

CONDITIONS

|                                                                                 |                                                                       |
|---------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| Operator:<br><br>XTO ENERGY, INC<br>6401 Holiday Hill Road<br>Midland, TX 79707 | OGRID:<br><br>5380                                                    |
|                                                                                 | Action Number:<br><br>487024                                          |
|                                                                                 | Action Type:<br><br>[REPORT] Alternative Remediation Report (C-141AR) |

CONDITIONS

| Created By | Condition                                                                                                                                                        | Condition Date |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| nvelez     | 1. Continue monthly O&M schedule as stated in the system adjustments and recommendations section of report. 2. Submit next quarterly report by October 15, 2025. | 8/18/2025      |