



December 12, 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: Closure Request
JRU 007 Battery
Incident Number nAPP2526935385
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 activities conducted at the James Ranch Unit (JRU) 007 Battery (Site) following a release of crude oil within a 4,526 square-foot lined containment. The containment houses four steel production tanks, processing equipment, and surface production piping. The Site is currently in the process of being decommissioned, with the JRU #007 oil well (API:30-015-21247) plugged and abandoned (P&A'd) on December 12, 2024. Based on the liner integrity inspection activities, delineation activities, and soil sample laboratory analytical results, XTO is submitting this *Closure Request*, describing the inspection results and requesting closure for Incident Number nAPP2526935385.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit G, Section 06, Township 23 South, Range 31 East, in Eddy County, New Mexico (32.33511°, -103.81447°) and is associated with oil and gas exploration and production operations on Federal land managed by the Bureau of Land Management (BLM).

On September 26, 2025, a pump failure resulted in the release of approximately 28 barrels (bbls) of crude oil into an impermeable containment, with no fluids breaching the top of the lined containment. A vacuum truck was dispatched to the Site to recover free-standing fluids, with all fluids recovered. The lined containment was power washed to remove any residual fluids. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) via a Notification of Release (NOR) and submitted an Initial C-141 Application (C-141) on September 26, 2025. The release was assigned Incident Number nAPP2526935385.

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 estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. United States Geological Survey (USGS) permitted well

XTO Energy, Inc
Closure Request
JRU 007 Battery

321946103492001 was advanced to a depth of 180 feet below ground surface (bgs) approximately 0.58 miles southwest of the Site. The recorded depth to groundwater on February 4, 1959 was 144.72 feet bgs. The Well Record & Log is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a seasonal dry wash located approximately 4,654 feet southwest of 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 underlain by potentially unstable geology (medium 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

A 48-hour advanced notice of the liner inspection was submitted to the NMOCD on October 01, 2025. The lined containment was cleaned of all debris and power washed and a liner integrity inspection was conducted by Ensolum personnel on October 07, 2025. The lined containment was inspected, and it was determined to contain a small hole. The hole was observed in the floor of the lined containment near surface piping on the central portion near the northern wall of the lined containment. Peeling was observed on the walls of the lined containment, but no apparent staining was observed on the soils surrounding the containment. The Site is currently underway of being decommissioned, and as such, the containment and the surrounding soils at the Site will be reclaimed per 19.15.29.13 NMAC once decommissioning activities are complete. Delineation to determine the presence or absence of impacts to soil beneath the tear and from the lateral extents outside of the lined containment 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 October 28, 2025, Ensolum personnel were at the Site to conduct delineation activities. Four delineation soil samples (SS01 through SS04) were collected around the lined containment from ground surface to confirm the release remained within the lined containment walls. One borehole (BH01) was advanced via hand auger to a terminal depth of 2 feet bgs in the location of the tear in the liner. Discrete soil samples were collected from the borehole at depths ranging from 0.5 feet bgs to 2 feet bgs. The delineation soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing Hach® chloride QuanTab® test strips. Field screening results and observations of the soil samples from the borehole were logged on a lithologic/soil sampling log, which is included in 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.

XTO Energy, Inc
Closure Request
JRU 007 Battery

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 Midland (Eurofins) in Midland, Texas 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 EPA Method 300.0.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for delineation soil samples SS01 through SS04 indicated all COCs were in compliance with Site Closure Criteria, confirming the release did not breach the walls of the lined containment. Laboratory analytical results for delineation soil samples from borehole BH01 were in compliance with Site Closure Criteria confirming the absence of impacted soils below the lined containment where the hole had been observed. 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 September 2025 release of crude oil. Laboratory analytical results for the delineation soil samples collected indicated all COC concentrations were compliant with the Site Closure Criteria. Based on the soil sample analytical results, no impacted soil was identified, and no further remediation was required. XTO patched the hole in the liner floor following completion of delineation activities. Peeling was observed on the walls of the lined containment, but as the Site is currently underway of being decommissioned, the Site will be reclaimed per 19.15.29.13 NMAC once decommissioning activities are complete, approximately 6,092 square feet (451 cubic yards).

Delineation of potential impacts at this Site determined soil did not exceed the Site Closure Criteria, specifically below the lined containment. XTO believes the remedial actions completed at the Site have been protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number NAPP2526935385.

XTO Energy, Inc
Closure Request
JRU 007 Battery

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

Sincerely,

Ensolum, LLC



Kelly Lowery
Project Geologist



Tacoma Morrissey
Associate Principal

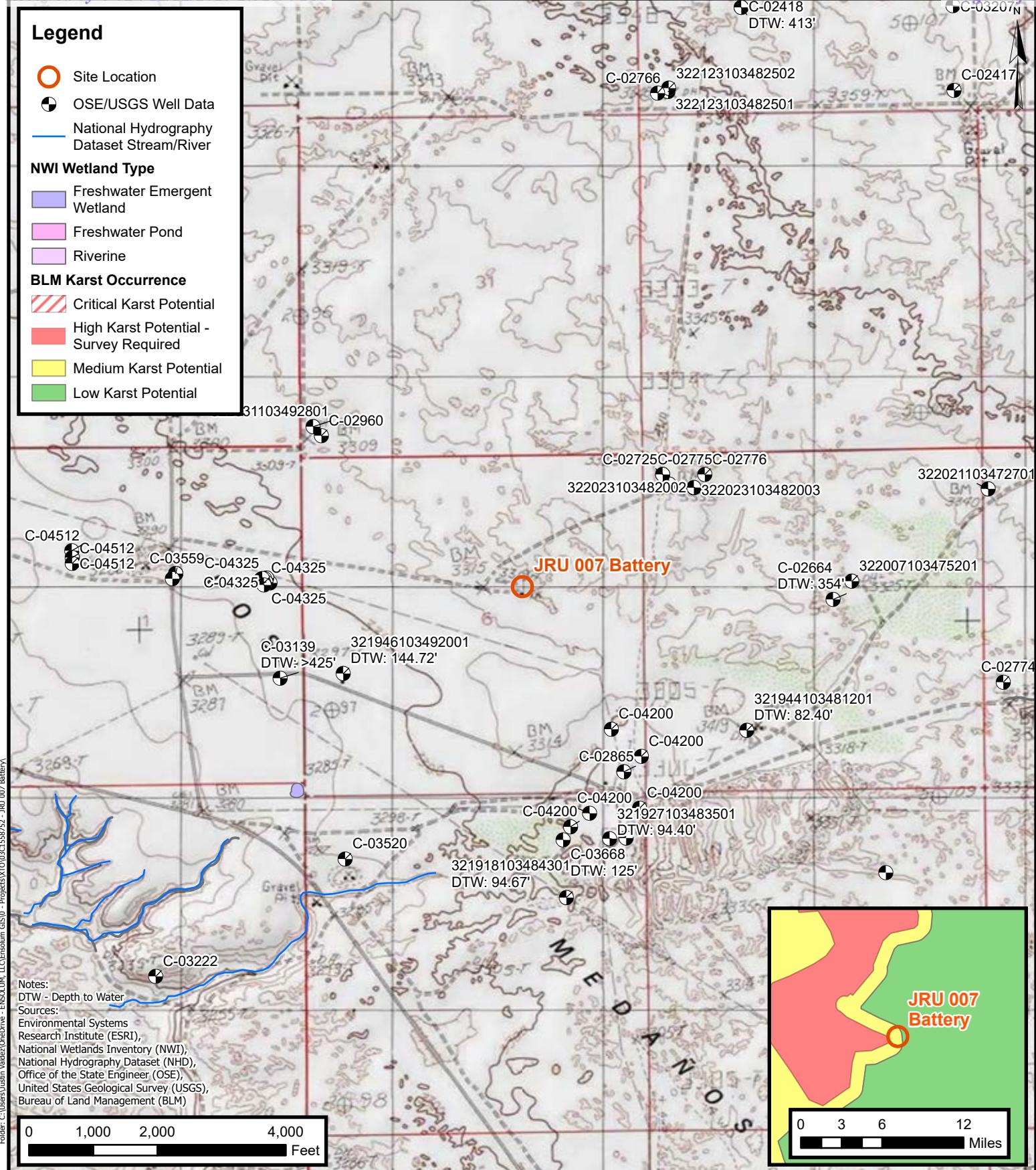
Cc: Robert Woodall, XTO
Richard Kotzur, XTO
BLM

Appendices:

- Figure 1 Site Receptor Map
- Figure 2 Delineation Soil Sample Locations
- 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
JRU 007 Battery
Incident Number: nAPP2526935385
Unit G, Section 06, T 23S, R 31E
Eddy County, New Mexico

FIGURE
1



Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Oil and Gas Utility Line
- Electric Line
- Equipment
- Liner
- Building
- Electrical
- ×× Fence
- Infrastructure



Environmental, Engineering and Hydrogeologic Consultants

Delineation Soil Sample Locations

XTO Energy, Inc
JRU 007 Battery
Incident Number: nAPP2526935385
Unit G, Section 06, T 23S, R 31E
Eddy County, New Mexico

**FIGURE
2**



TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
JUR 007 Battery
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	NE	100	600
Delineation Soil Samples										
SS01	10/28/2025	Surface	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	120
SS02	10/28/2025	Surface	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	298
SS03	10/28/2025	Surface	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	177
SS04	10/28/2025	Surface	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	256
BH01	10/28/2025	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	423
BH01A	10/28/2025	2	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	<49.8	282

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



[USGS Home](#)
[Contact USGS](#)
[Search USGS](#)

National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

Click to hideNews Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for the Nation

1 Ground water level pages will be decommissioned in early 2026. These gwlevel pages are frozen as of November 18th, 2025. Please find the [modernized pages in WDFN](#) that suit you best. Learn more about our [modernization plans and timeline](#) and [new pages](#).

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 321946103492001

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 321946103492001 23S.31E.06.312333

Eddy County, New Mexico

Latitude 32°19'53.3", Longitude 103°49'24.8" NAD83

Land-surface elevation 3,305.00 feet above NGVD29

The depth of the well is 180 feet below land surface.

This well is completed in the Other aquifers (N99999OTHER) national aquifer.

This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1959-02-04		D	62610		3160.28	NGVD29	1		Z		A
1959-02-04		D	62611		3161.92	NAVD88	1		Z		A
1959-02-04		D	72019	144.72			1		Z		A
2013-01-16 22:30 UTC		m	62610			NGVD29	D		S	USGS	S A
2013-01-16 22:30 UTC		m	62611			NAVD88	D		S	USGS	S A
2013-01-16 22:30 UTC		m	72019				D		S	USGS	S A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	D	Dry
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

[Questions or Comments](#)[Help](#)[Data Tips](#)[Explanation of terms](#)

[Subscribe for system changes](#)[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)**Title: Groundwater for USA: Water Levels****URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>**Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2025-12-08 17:55:24 EST

0.41 0.35 nadww02





APPENDIX B

Photographic Log

**Photographic Log**

XTO Energy, Inc.

JRU 007 Battery

nAPP2526935385



Photograph: 1

Date: 10/07/2025

Description: Site location signage

View: East

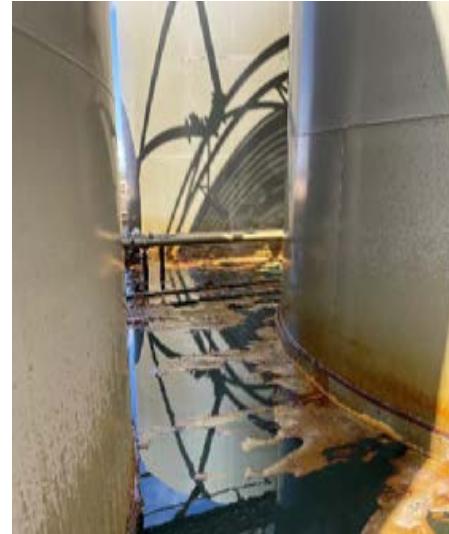


Photograph: 2

Date: 09/26/2025

Description: View of initial release

View: West



Photograph: 3

Date: 09/26/2025

Description: View of initial release

View: North

Photograph: 4

Date: 09/26/2025

Description: View of initial release

View: West

**Photographic Log**

XTO Energy, Inc.

JRU 007 Battery

nAPP2526935385

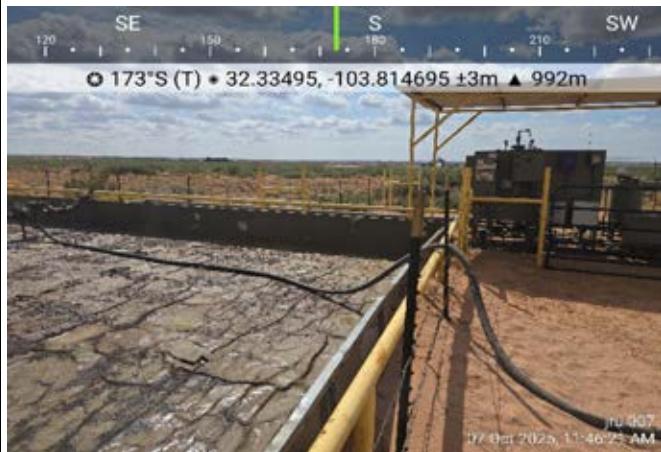


Photograph: 5

Date: 10/07/2025

Description: Liner inspection activities

View: Northeast



Photograph: 6

Date: 10/07/2025

Description: Liner inspection activities

View: South



Photograph: 7

Date: 10/07/2025

Description: Liner inspection activities

View: East



Photograph: 8

Date: 10/07/2025

Description: Liner hole during inspection activities

View: East

**Photographic Log**

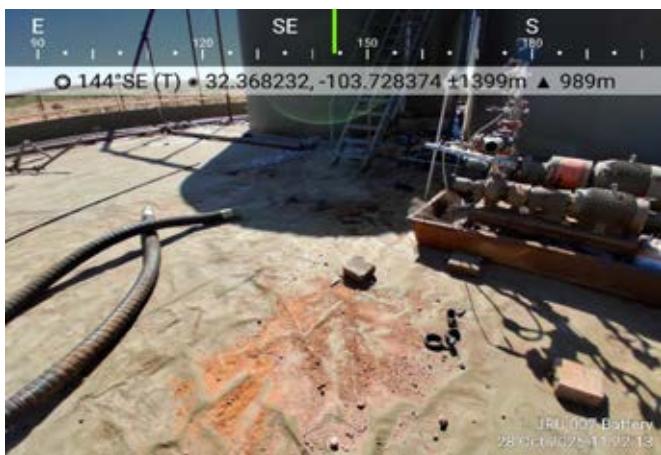
XTO Energy, Inc.

JRU 007 Battery

nAPP2526935385



Photograph: 9 Date: 10/28/2025
Description: Delineation activities at BH01
View: East



Photograph: 10 Date: 10/28/2025
Description: Delineation activities at BH01(covered)
View: Southeast



Photograph: 11 Date: 10/28/2025
Description: Delineation location for SS01
View: East

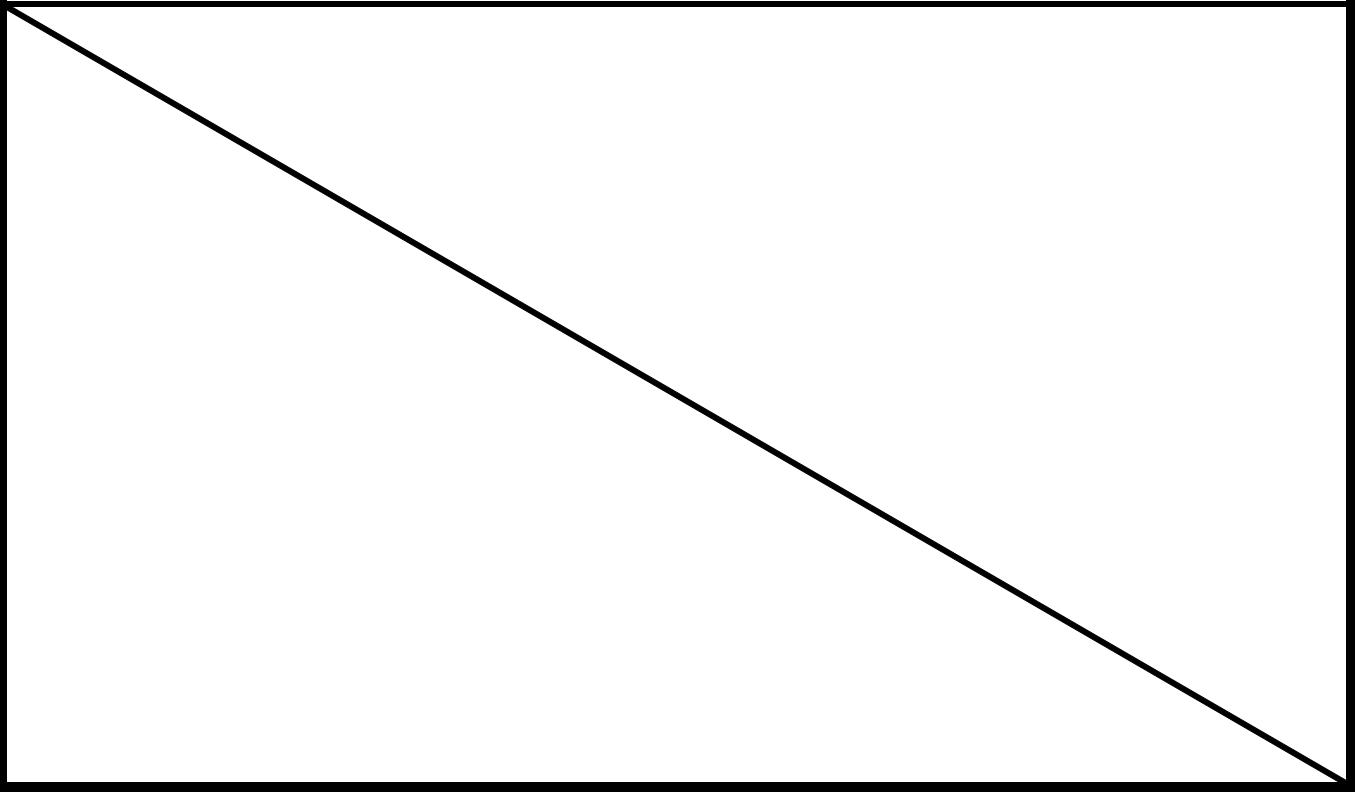


Photograph: 12 Date: 10/28/2025
Description: Delineation location for SS04
View: Southeast



APPENDIX C

Lithologic Soil Sampling Logs

 ENSOLUM							Sample Name: BH01	Date: 10/28/25					
							Site Name: JRU 007 Battery						
							Incident Number: nAPP2526935385						
							Job Number: 03C1558752						
LITHOLOGIC / SOIL SAMPLING LOG							Logged By: Trevor Wargo	Method: Hand Auger					
Coordinates: 32.335044, -103.814624							Hole Diameter: 0.5 foot	Total Depth: 2 feet					
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. No correction factors included.													
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions					
Dry	2296	0.9	N	BH01	0.5	0	CCHE	Tan-brown caliche sand mixture well graded fine to pebble grain					
Dry	739.2	0.3	N			0.5							
Dry	739.2	0.2	N			1							
Dry	173.6	1	N	BH01A	2	1.5							
Dry						2	SP	Brown-red Pasture sand poorly graded fine sand					
Total depth 2 feet													
													



APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



Environment Testing

1

2

3

4

5

6

7

8

9

10

11

12

13

14

ANALYTICAL REPORT

PREPARED FOR

Attn: Jeremy Reich
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 11/3/2025 3:53:09 PM

JOB DESCRIPTION

JRU 007 BATTERY
03C1558752

JOB NUMBER

890-8991-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.
Released to Imaging: 12/03/2020 1:54:39 PM

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
11/3/2025 3:53:09 PM

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

Client: Ensolum
Project/Site: JRU 007 BATTERY

Laboratory Job ID: 890-8991-1
SDG: 03C1558752

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	7
Surrogate Summary	12
QC Sample Results	13
QC Association Summary	19
Lab Chronicle	22
Certification Summary	24
Method Summary	25
Sample Summary	26
Chain of Custody	27
Receipt Checklists	29

Definitions/Glossary

Client: Ensolum
Project/Site: JRU 007 BATTERY

Job ID: 890-8991-1
SDG: 03C1558752

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
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

Eurofins Carlsbad

Case Narrative

Client: Ensolum
Project: JRU 007 BATTERY

Job ID: 890-8991-1

Job ID: 890-8991-1

Eurofins Carlsbad

Job Narrative 890-8991-1

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 10/28/2025 1:09 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.8°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SS 01 (890-8991-1), SS 02 (890-8991-2), SS 03 (890-8991-3), SS 04 (890-8991-4), BH 01 (890-8991-5) and BH 01 A (890-8991-6).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-122508 and analytical batch 880-122519 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-122526 and analytical batch 880-122521 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-122526 and analytical batch 880-122521 was outside the upper control limits.

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 matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-122211 and analytical batch 880-122534 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-8988-A-5-C MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-122211 and analytical batch 880-122534 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-122211/2-A) and (LCSD 880-122211/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The laboratory control sample duplicate (LCSD) for preparation batch 880-122211 and analytical batch 880-122534 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28). Since only an acceptable LCS is required per the method, the data has been qualified and reported.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-122534 were inadvertently double

Eurofins Carlsbad

Case Narrative

Client: Ensolum
Project: JRU 007 BATTERY

Job ID: 890-8991-1

Job ID: 890-8991-1 (Continued)**Eurofins Carlsbad**

spiked for Gasoline Range Organics (GRO)-C6-C10, Diesel Range Organics (Over C10-C28), 1-Chlorooctane and o-Terphenyl.
The associated samples are:(CCV 880-122534/22) and (CCV 880-122534/4).

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.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: JRU 007 BATTERY

Job ID: 890-8991-1
SDG: 03C1558752

Client Sample ID: SS 01
Date Collected: 10/28/25 09:02
Date Received: 10/28/25 13:09
Sample Depth: SURFACE

Lab Sample ID: 890-8991-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200	mg/Kg	10/31/25 08:55	10/31/25 18:31		1
Toluene	<0.00200	U F1	0.00200	mg/Kg	10/31/25 08:55	10/31/25 18:31		1
Ethylbenzene	<0.00200	U F1 F2	0.00200	mg/Kg	10/31/25 08:55	10/31/25 18:31		1
m-Xylene & p-Xylene	<0.00399	U F1 F2	0.00399	mg/Kg	10/31/25 08:55	10/31/25 18:31		1
o-Xylene	<0.00200	U F1 F2	0.00200	mg/Kg	10/31/25 08:55	10/31/25 18:31		1
Xylenes, Total	<0.00399	U F1 F2	0.00399	mg/Kg	10/31/25 08:55	10/31/25 18:31		1
Surrogate		%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)		94		70 - 130		10/31/25 08:55	10/31/25 18:31	1
1,4-Difluorobenzene (Surr)		102		70 - 130		10/31/25 08:55	10/31/25 18:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			10/31/25 18:31	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			10/31/25 15:01	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	<49.9	U	49.9	mg/Kg	10/28/25 10:34	10/31/25 15:01		1
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9	mg/Kg	10/28/25 10:34	10/31/25 15:01		1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg	10/28/25 10:34	10/31/25 15:01		1
Surrogate								
1-Chlorooctane								10/28/25 10:34
o-Terphenyl								10/28/25 10:34
								10/31/25 15:01
								1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		9.94	mg/Kg			10/29/25 21:01	1

Client Sample ID: SS 02
Date Collected: 10/28/25 09:04
Date Received: 10/28/25 13:09
Sample Depth: SURFACE

Lab Sample ID: 890-8991-2
Matrix: Solid

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	10/31/25 08:55	10/31/25 18:51		1
Toluene	<0.00201	U	0.00201	mg/Kg	10/31/25 08:55	10/31/25 18:51		1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg	10/31/25 08:55	10/31/25 18:51		1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg	10/31/25 08:55	10/31/25 18:51		1
o-Xylene	<0.00201	U	0.00201	mg/Kg	10/31/25 08:55	10/31/25 18:51		1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg	10/31/25 08:55	10/31/25 18:51		1
Surrogate		%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)		122		70 - 130		10/31/25 08:55	10/31/25 18:51	1

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: JRU 007 BATTERY

Job ID: 890-8991-1
SDG: 03C1558752

Client Sample ID: SS 02
Date Collected: 10/28/25 09:04
Date Received: 10/28/25 13:09
Sample Depth: SURFACE

Lab Sample ID: 890-8991-2
Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	105		70 - 130	10/31/25 08:55	10/31/25 18:51	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			10/31/25 18:51	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			10/31/25 15:22	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		10/28/25 10:34	10/31/25 15:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0	mg/Kg		10/28/25 10:34	10/31/25 15:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		10/28/25 10:34	10/31/25 15:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	10/28/25 10:34	10/31/25 15:22	1
o-Terphenyl	125		70 - 130	10/28/25 10:34	10/31/25 15:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	298		9.92	mg/Kg			10/29/25 21:17	1

Client Sample ID: SS 03**Lab Sample ID: 890-8991-3**

Matrix: Solid

Date Collected: 10/28/25 09:39

Date Received: 10/28/25 13:09

Sample Depth: SURFACE

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		10/31/25 08:55	10/31/25 19:12	1
Toluene	<0.00199	U	0.00199	mg/Kg		10/31/25 08:55	10/31/25 19:12	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		10/31/25 08:55	10/31/25 19:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		10/31/25 08:55	10/31/25 19:12	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		10/31/25 08:55	10/31/25 19:12	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		10/31/25 08:55	10/31/25 19:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	10/31/25 08:55	10/31/25 19:12	1
1,4-Difluorobenzene (Surr)	109		70 - 130	10/31/25 08:55	10/31/25 19:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			10/31/25 19:12	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			10/31/25 15:43	1

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: JRU 007 BATTERY

Job ID: 890-8991-1
SDG: 03C1558752

Client Sample ID: SS 03
Date Collected: 10/28/25 09:39
Date Received: 10/28/25 13:09
Sample Depth: SURFACE

Lab Sample ID: 890-8991-3
Matrix: Solid

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		10/28/25 10:34	10/31/25 15:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0	mg/Kg		10/28/25 10:34	10/31/25 15:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		10/28/25 10:34	10/31/25 15:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130			10/28/25 10:34	10/31/25 15:43	1
o-Terphenyl	98		70 - 130			10/28/25 10:34	10/31/25 15:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	177		10.1	mg/Kg			10/29/25 21:22	1

Client Sample ID: SS 04
Date Collected: 10/28/25 09:42
Date Received: 10/28/25 13:09
Sample Depth: SURFACE

Lab Sample ID: 890-8991-4
Matrix: Solid

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		10/30/25 21:57	10/31/25 18:37	1
Toluene	<0.00200	U	0.00200	mg/Kg		10/30/25 21:57	10/31/25 18:37	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		10/30/25 21:57	10/31/25 18:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		10/30/25 21:57	10/31/25 18:37	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		10/30/25 21:57	10/31/25 18:37	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		10/30/25 21:57	10/31/25 18:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			10/30/25 21:57	10/31/25 18:37	1
1,4-Difluorobenzene (Surr)	100		70 - 130			10/30/25 21:57	10/31/25 18:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			10/31/25 18:37	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			10/31/25 16:11	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		10/28/25 10:34	10/31/25 16:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0	mg/Kg		10/28/25 10:34	10/31/25 16:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		10/28/25 10:34	10/31/25 16:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130			10/28/25 10:34	10/31/25 16:11	1
o-Terphenyl	123		70 - 130			10/28/25 10:34	10/31/25 16:11	1

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: JRU 007 BATTERY

Job ID: 890-8991-1
SDG: 03C1558752

Client Sample ID: SS 04
Date Collected: 10/28/25 09:42
Date Received: 10/28/25 13:09
Sample Depth: SURFACE

Lab Sample ID: 890-8991-4
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	256		10.0	mg/Kg			10/29/25 21:27	1

Client Sample ID: BH 01
Date Collected: 10/28/25 10:07
Date Received: 10/28/25 13:09
Sample Depth: 0.5

Lab Sample ID: 890-8991-5
Matrix: Solid

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		10/30/25 21:57	10/31/25 18:57	1
Toluene	<0.00201	U	0.00201	mg/Kg		10/30/25 21:57	10/31/25 18:57	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		10/30/25 21:57	10/31/25 18:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		10/30/25 21:57	10/31/25 18:57	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		10/30/25 21:57	10/31/25 18:57	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		10/30/25 21:57	10/31/25 18:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			10/30/25 21:57	10/31/25 18:57	1
1,4-Difluorobenzene (Surr)	98		70 - 130			10/30/25 21:57	10/31/25 18:57	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			10/31/25 18:57	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			10/31/25 16:31	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		10/28/25 10:34	10/31/25 16:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0	mg/Kg		10/28/25 10:34	10/31/25 16:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		10/28/25 10:34	10/31/25 16:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130			10/28/25 10:34	10/31/25 16:31	1
<i>o</i> -Terphenyl	117		70 - 130			10/28/25 10:34	10/31/25 16:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	423		10.1	mg/Kg			10/29/25 21:32	1

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: JRU 007 BATTERY

Job ID: 890-8991-1
SDG: 03C1558752

Client Sample ID: BH 01 A
Date Collected: 10/28/25 10:59
Date Received: 10/28/25 13:09
Sample Depth: 2

Lab Sample ID: 890-8991-6
Matrix: Solid

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		10/30/25 21:57	10/31/25 19:18	1
Toluene	<0.00202	U	0.00202	mg/Kg		10/30/25 21:57	10/31/25 19:18	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		10/30/25 21:57	10/31/25 19:18	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		10/30/25 21:57	10/31/25 19:18	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		10/30/25 21:57	10/31/25 19:18	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		10/30/25 21:57	10/31/25 19:18	1
Surrogate		%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)		107		70 - 130		10/30/25 21:57	10/31/25 19:18	1
1,4-Difluorobenzene (Surr)		101		70 - 130		10/30/25 21:57	10/31/25 19:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			10/31/25 19:18	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			10/31/25 16:51	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	<49.8	U	49.8	mg/Kg		10/28/25 10:34	10/31/25 16:51	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+ *1	49.8	mg/Kg		10/28/25 10:34	10/31/25 16:51	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		10/28/25 10:34	10/31/25 16:51	1
Surrogate								
1-Chlorooctane		121	70 - 130			10/28/25 10:34	10/31/25 16:51	1
o-Terphenyl		121	70 - 130			10/28/25 10:34	10/31/25 16:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	282		10.1	mg/Kg			10/29/25 21:38	1

Eurofins Carlsbad

Surrogate Summary

Client: Ensolum

Job ID: 890-8991-1

Project/Site: JRU 007 BATTERY

SDG: 03C1558752

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-64419-A-1-I MS	Matrix Spike	101	96
880-64419-A-1-J MSD	Matrix Spike Duplicate	106	98
890-8991-1	SS 01	94	102
890-8991-1 MS	SS 01	130	114
890-8991-1 MSD	SS 01	127	104
890-8991-2	SS 02	122	105
890-8991-3	SS 03	127	109
890-8991-4	SS 04	108	100
890-8991-5	BH 01	109	98
890-8991-6	BH 01 A	107	101
LCS 880-122508/1-A	Lab Control Sample	105	98
LCS 880-122526/1-A	Lab Control Sample	102	94
LCSD 880-122508/2-A	Lab Control Sample Dup	106	97
LCSD 880-122526/2-A	Lab Control Sample Dup	98	108
MB 880-122508/5-A	Method Blank	113	100
MB 880-122526/5-A	Method Blank	194 S1+	107

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-8988-A-5-B MS	Matrix Spike	121	112
890-8988-A-5-C MSD	Matrix Spike Duplicate	131 S1+	118
890-8991-1	SS 01	109	111
890-8991-2	SS 02	123	125
890-8991-3	SS 03	98	98
890-8991-4	SS 04	123	123
890-8991-5	BH 01	116	117
890-8991-6	BH 01 A	121	121
LCS 880-122211/2-A	Lab Control Sample	142 S1+	133 S1+
LCSD 880-122211/3-A	Lab Control Sample Dup	197 S1+	185 S1+
MB 880-122211/1-A	Method Blank	220 S1+	233 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
Project/Site: JRU 007 BATTERYJob ID: 890-8991-1
SDG: 03C1558752

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-122508/5-A

Matrix: Solid

Analysis Batch: 122519

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 122508

Analyte	MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	<0.00200	U	0.00200	mg/Kg	10/30/25 21:57	10/31/25 11:48		1
Toluene	<0.00200	U	0.00200	mg/Kg	10/30/25 21:57	10/31/25 11:48		1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg	10/30/25 21:57	10/31/25 11:48		1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg	10/30/25 21:57	10/31/25 11:48		1
o-Xylene	<0.00200	U	0.00200	mg/Kg	10/30/25 21:57	10/31/25 11:48		1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg	10/30/25 21:57	10/31/25 11:48		1
Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac		
	%Recovery	Qualifier						
4-Bromofluorobenzene (Surr)	113		70 - 130	10/30/25 21:57	10/31/25 11:48		1	
1,4-Difluorobenzene (Surr)	100		70 - 130	10/30/25 21:57	10/31/25 11:48		1	

Lab Sample ID: LCS 880-122508/1-A

Matrix: Solid

Analysis Batch: 122519

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 122508

Analyte	Spike		Unit	D	%Rec		Limits	RPD
	Added	Result			%Rec	RPD		
Benzene	0.100	0.07964	mg/Kg	80	70 - 130			
Toluene	0.100	0.08654	mg/Kg	87	70 - 130			
Ethylbenzene	0.100	0.08979	mg/Kg	90	70 - 130			
m-Xylene & p-Xylene	0.200	0.1801	mg/Kg	90	70 - 130			
o-Xylene	0.100	0.09489	mg/Kg	95	70 - 130			
Surrogate	LCS		Unit	D	%Rec		Limits	RPD
	%Recovery	Qualifier			%Rec	RPD		
4-Bromofluorobenzene (Surr)	105		70 - 130					
1,4-Difluorobenzene (Surr)	98		70 - 130					

Lab Sample ID: LCSD 880-122508/2-A

Matrix: Solid

Analysis Batch: 122519

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 122508

Analyte	Spike		Unit	D	%Rec		RPD	Limit
	Added	Result			%Rec	RPD		
Benzene	0.100	0.07826	mg/Kg	78	70 - 130	2	35	
Toluene	0.100	0.09066	mg/Kg	91	70 - 130	5	35	
Ethylbenzene	0.100	0.09538	mg/Kg	95	70 - 130	6	35	
m-Xylene & p-Xylene	0.200	0.1898	mg/Kg	95	70 - 130	5	35	
o-Xylene	0.100	0.1008	mg/Kg	101	70 - 130	6	35	
Surrogate	LCSD		Unit	D	%Rec		RPD	Limit
	%Recovery	Qualifier			%Rec	RPD		
4-Bromofluorobenzene (Surr)	106		70 - 130					
1,4-Difluorobenzene (Surr)	97		70 - 130					

Lab Sample ID: 880-64419-A-1-I MS

Matrix: Solid

Analysis Batch: 122519

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 122508

Analyte	Sample		Spike	MS		Unit	D	%Rec	
	Result	Qualifier		Added	Result			%Rec	Limits
Benzene	<0.00200	U F2 F1	0.100	0.06194	F1	mg/Kg	62	70 - 130	
Toluene	<0.00200	U F2 F1	0.100	0.06730	F1	mg/Kg	67	70 - 130	

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
Project/Site: JRU 007 BATTERYJob ID: 890-8991-1
SDG: 03C1558752

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

Lab Sample ID: 880-64419-A-1-I MS

Matrix: Solid

Analysis Batch: 122519

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 122508

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				
Ethylbenzene	<0.00200	U F2 F1	0.100	0.07311		mg/Kg		73	70 - 130
m-Xylene & p-Xylene	<0.00400	U F2 F1	0.200	0.1460		mg/Kg		73	70 - 130
o-Xylene	<0.00200	U F2 F1	0.100	0.07698		mg/Kg		77	70 - 130

Surrogate	MS	MS	%Recovery	Qualifier	Limits
	Recovery	Qualifier			
4-Bromofluorobenzene (Surr)	101				70 - 130
1,4-Difluorobenzene (Surr)	96				70 - 130

Lab Sample ID: 880-64419-A-1-J MSD

Matrix: Solid

Analysis Batch: 122519

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 122508

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				
Benzene	<0.00200	U F2 F1	0.100	0.03023	F2 F1	mg/Kg		30	70 - 130
Toluene	<0.00200	U F2 F1	0.100	0.02422	F2 F1	mg/Kg		24	70 - 130
Ethylbenzene	<0.00200	U F2 F1	0.100	0.01253	F2 F1	mg/Kg		13	70 - 130
m-Xylene & p-Xylene	<0.00400	U F2 F1	0.200	0.01955	F2 F1	mg/Kg		10	70 - 130
o-Xylene	<0.00200	U F2 F1	0.100	0.01423	F2 F1	mg/Kg		14	70 - 130

Surrogate	MSD	MSD	%Recovery	Qualifier	Limits
	Recovery	Qualifier			
4-Bromofluorobenzene (Surr)	106				70 - 130
1,4-Difluorobenzene (Surr)	98				70 - 130

Lab Sample ID: MB 880-122526/5-A

Matrix: Solid

Analysis Batch: 122521

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 122526

Analyte	MB	MB	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier								
Benzene	<0.00200	U	0.00200		0.00200	mg/Kg		10/31/25 08:55	10/31/25 18:02	1
Toluene	<0.00200	U	0.00200		0.00200	mg/Kg		10/31/25 08:55	10/31/25 18:02	1
Ethylbenzene	<0.00200	U	0.00200		0.00200	mg/Kg		10/31/25 08:55	10/31/25 18:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		0.00400	mg/Kg		10/31/25 08:55	10/31/25 18:02	1
o-Xylene	<0.00200	U	0.00200		0.00200	mg/Kg		10/31/25 08:55	10/31/25 18:02	1
Xylenes, Total	<0.00400	U	0.00400		0.00400	mg/Kg		10/31/25 08:55	10/31/25 18:02	1

Surrogate	MB	MB	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	Recovery	Qualifier						
4-Bromofluorobenzene (Surr)	194	S1+			70 - 130	10/31/25 08:55	10/31/25 18:02	1
1,4-Difluorobenzene (Surr)	107				70 - 130	10/31/25 08:55	10/31/25 18:02	1

Lab Sample ID: LCS 880-122526/1-A

Matrix: Solid

Analysis Batch: 122521

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 122526

Analyte	Spike	LCS	LCS	Result	Qualifier	Unit	D	%Rec	%Rec
	Added	Result	Qualifier						
Benzene	0.100	0.09326		mg/Kg				93	70 - 130
Toluene	0.100	0.09484		mg/Kg				95	70 - 130
Ethylbenzene	0.100	0.08981		mg/Kg				90	70 - 130
m-Xylene & p-Xylene	0.200	0.1812		mg/Kg				91	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
Project/Site: JRU 007 BATTERYJob ID: 890-8991-1
SDG: 03C1558752

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

Lab Sample ID: LCS 880-122526/1-A

Matrix: Solid

Analysis Batch: 122521

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 122526

Analyte		Spike	LCS	LCS	Unit	D	%Rec	Limits	
		Added	Result	Qualifier					
o-Xylene		0.100	0.1000		mg/Kg		100	70 - 130	

Surrogate	%Recovery	LCS	LCS	Limits
		Qualifier		
4-Bromofluorobenzene (Surr)	102			70 - 130
1,4-Difluorobenzene (Surr)	94			70 - 130

Lab Sample ID: LCSD 880-122526/2-A

Matrix: Solid

Analysis Batch: 122521

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 122526

Analyte		Spike	LCSD	LCSD	Unit	D	%Rec	Limits	RPD	Limit
		Added	Result	Qualifier						
Benzene		0.100	0.1106		mg/Kg		111	70 - 130	17	35
Toluene		0.100	0.09293		mg/Kg		93	70 - 130	2	35
Ethylbenzene		0.100	0.1004		mg/Kg		100	70 - 130	11	35
m-Xylene & p-Xylene		0.200	0.2039		mg/Kg		102	70 - 130	12	35
o-Xylene		0.100	0.1026		mg/Kg		103	70 - 130	3	35

Surrogate	%Recovery	LCSD	LCSD	Limits
		Qualifier		
4-Bromofluorobenzene (Surr)	98			70 - 130
1,4-Difluorobenzene (Surr)	108			70 - 130

Lab Sample ID: 890-8991-1 MS

Matrix: Solid

Analysis Batch: 122521

Client Sample ID: SS 01

Prep Type: Total/NA

Prep Batch: 122526

Analyte		Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits
		Result	Qualifier	Added	Result	Qualifier				
Benzene		<0.00200	U F1	0.100	0.002549	F1	mg/Kg		3	70 - 130
Toluene		<0.00200	U F1	0.100	0.002792	F1	mg/Kg		3	70 - 130
Ethylbenzene		<0.00200	U F1 F2	0.100	0.005088	F1	mg/Kg		5	70 - 130
m-Xylene & p-Xylene		<0.00399	U F1 F2	0.200	0.01291	F1	mg/Kg		6	70 - 130
o-Xylene		<0.00200	U F1 F2	0.100	0.007082	F1	mg/Kg		7	70 - 130

Surrogate	%Recovery	MS	MS	Limits
		Qualifier		
4-Bromofluorobenzene (Surr)	130			70 - 130
1,4-Difluorobenzene (Surr)	114			70 - 130

Lab Sample ID: 890-8991-1 MSD

Matrix: Solid

Analysis Batch: 122521

Client Sample ID: SS 01

Prep Type: Total/NA

Prep Batch: 122526

Analyte		Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
		Result	Qualifier	Added	Result	Qualifier						
Benzene		<0.00200	U F1	0.100	0.002851	F1	mg/Kg		3	70 - 130	11	35
Toluene		<0.00200	U F1	0.100	0.002666	F1	mg/Kg		3	70 - 130	5	35
Ethylbenzene		<0.00200	U F1 F2	0.100	0.003416	F1 F2	mg/Kg		3	70 - 130	39	35
m-Xylene & p-Xylene		<0.00399	U F1 F2	0.200	0.008658	F1 F2	mg/Kg		4	70 - 130	39	35
o-Xylene		<0.00200	U F1 F2	0.100	0.004807	F1 F2	mg/Kg		5	70 - 130	38	35

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
Project/Site: JRU 007 BATTERY

Job ID: 890-8991-1
SDG: 03C1558752

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

Lab Sample ID: 890-8991-1 MSD

Matrix: Solid

Analysis Batch: 122521

Client Sample ID: SS 01

Prep Type: Total/NA

Prep Batch: 122526

Surrogate	MSD	MSD	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	127				70 - 130
1,4-Difluorobenzene (Surr)	104				70 - 130

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

Lab Sample ID: MB 880-122211/1-A

Matrix: Solid

Analysis Batch: 122534

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 122211

Analyte	MB	MB	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	%Recovery	Limits								
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/28/25 10:34	10/31/25 08:46		1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/28/25 10:34	10/31/25 08:46		1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/28/25 10:34	10/31/25 08:46		1

Surrogate	MB	MB	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Limits						
1-Chlorooctane	220	S1+	70 - 130			10/28/25 10:34	10/31/25 08:46	1
o-Terphenyl	233	S1+	70 - 130			10/28/25 10:34	10/31/25 08:46	1

Lab Sample ID: LCS 880-122211/2-A

Matrix: Solid

Analysis Batch: 122534

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 122211

Analyte	Spike	LCS	LCS	Result	Qualifier	Unit	D	%Rec	Limits	%Rec
	Added	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	1000	991.2		mg/Kg			99	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1223		mg/Kg			122	70 - 130		

Surrogate	LCS	LCS	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Limits						
1-Chlorooctane	142	S1+	70 - 130					
o-Terphenyl	133	S1+	70 - 130					

Lab Sample ID: LCSD 880-122211/3-A

Matrix: Solid

Analysis Batch: 122534

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 122211

Analyte	Spike	LCSD	LCSD	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
	Added	Result	Qualifier								
Gasoline Range Organics (GRO)-C6-C10	1000	1215		mg/Kg			121	70 - 130		20	20
Diesel Range Organics (Over C10-C28)	1000	1695	*+ *1	mg/Kg			170	70 - 130		32	20

Surrogate	LCSD	LCSD	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Limits						
1-Chlorooctane	197	S1+	70 - 130					
o-Terphenyl	185	S1+	70 - 130					

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
Project/Site: JRU 007 BATTERY

Job ID: 890-8991-1
SDG: 03C1558752

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

Lab Sample ID: 890-8988-A-5-B MS							Client Sample ID: Matrix Spike			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 122534							Prep Batch: 122211			
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	1181		mg/Kg		117	70 - 130	
Diesel Range Organics (Over C10-C28)	256	F1 *+ *1	1000	1650	F1	mg/Kg		139	70 - 130	
Surrogate	MS %Recovery	MS Qualifier	MS Limits							
1-Chlorooctane	121		70 - 130							
o-Terphenyl	112		70 - 130							

Lab Sample ID: 890-8988-A-5-C MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid
Analysis Batch: 122534

Prep Type: Total/NA
Prep Batch: 122211

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	1139		mg/Kg		112	70 - 130	
Diesel Range Organics (Over C10-C28)	256	F1 *+ *1	1000	1628	F1	mg/Kg		137	70 - 130	
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits							
1-Chlorooctane	131	S1+	70 - 130							
o-Terphenyl	118		70 - 130							

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-122357/1-A

Client Sample ID: Method Blank
Prep Type: Soluble

Matrix: Solid
Analysis Batch: 122382

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			10/29/25 19:11	1

Lab Sample ID: LCS 880-122357/2-A

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Matrix: Solid
Analysis Batch: 122382

Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits	
Chloride		250	237.2		mg/Kg		95	90 - 110	

Lab Sample ID: LCSD 880-122357/3-A

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

Matrix: Solid
Analysis Batch: 122382

Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride		250	238.2		mg/Kg		95	90 - 110	0	20

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
 Project/Site: JRU 007 BATTERY

Job ID: 890-8991-1
 SDG: 03C1558752

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-8989-A-5-B MS

Matrix: Solid

Analysis Batch: 122382

Client Sample ID: Matrix Spike
 Prep Type: Soluble

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits	RPD
	Result	Qualifier	Added	Result	Qualifier						
Chloride	586		250	819.2		mg/Kg		93	90 - 110		

Lab Sample ID: 890-8989-A-5-C MSD

Matrix: Solid

Analysis Batch: 122382

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Soluble

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD
	Result	Qualifier	Added	Result	Qualifier						
Chloride	586		250	819.6		mg/Kg		94	90 - 110	0	20

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: JRU 007 BATTERYJob ID: 890-8991-1
SDG: 03C1558752

GC VOA

Prep Batch: 122508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8991-4	SS 04	Total/NA	Solid	5035	
890-8991-5	BH 01	Total/NA	Solid	5035	
890-8991-6	BH 01 A	Total/NA	Solid	5035	
MB 880-122508/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-122508/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-122508/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-64419-A-1-I MS	Matrix Spike	Total/NA	Solid	5035	
880-64419-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 122519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8991-4	SS 04	Total/NA	Solid	8021B	122508
890-8991-5	BH 01	Total/NA	Solid	8021B	122508
890-8991-6	BH 01 A	Total/NA	Solid	8021B	122508
MB 880-122508/5-A	Method Blank	Total/NA	Solid	8021B	122508
LCS 880-122508/1-A	Lab Control Sample	Total/NA	Solid	8021B	122508
LCSD 880-122508/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	122508
880-64419-A-1-I MS	Matrix Spike	Total/NA	Solid	8021B	122508
880-64419-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	122508

Analysis Batch: 122521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8991-1	SS 01	Total/NA	Solid	8021B	122526
890-8991-2	SS 02	Total/NA	Solid	8021B	122526
890-8991-3	SS 03	Total/NA	Solid	8021B	122526
MB 880-122526/5-A	Method Blank	Total/NA	Solid	8021B	122526
LCS 880-122526/1-A	Lab Control Sample	Total/NA	Solid	8021B	122526
LCSD 880-122526/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	122526
890-8991-1 MS	SS 01	Total/NA	Solid	8021B	122526
890-8991-1 MSD	SS 01	Total/NA	Solid	8021B	122526

Prep Batch: 122526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8991-1	SS 01	Total/NA	Solid	5035	
890-8991-2	SS 02	Total/NA	Solid	5035	
890-8991-3	SS 03	Total/NA	Solid	5035	
MB 880-122526/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-122526/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-122526/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8991-1 MS	SS 01	Total/NA	Solid	5035	
890-8991-1 MSD	SS 01	Total/NA	Solid	5035	

Analysis Batch: 122723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8991-1	SS 01	Total/NA	Solid	Total BTEX	
890-8991-2	SS 02	Total/NA	Solid	Total BTEX	
890-8991-3	SS 03	Total/NA	Solid	Total BTEX	
890-8991-4	SS 04	Total/NA	Solid	Total BTEX	
890-8991-5	BH 01	Total/NA	Solid	Total BTEX	
890-8991-6	BH 01 A	Total/NA	Solid	Total BTEX	

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: JRU 007 BATTERYJob ID: 890-8991-1
SDG: 03C1558752

GC Semi VOA

Prep Batch: 122211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8991-1	SS 01	Total/NA	Solid	8015NM Prep	
890-8991-2	SS 02	Total/NA	Solid	8015NM Prep	
890-8991-3	SS 03	Total/NA	Solid	8015NM Prep	
890-8991-4	SS 04	Total/NA	Solid	8015NM Prep	
890-8991-5	BH 01	Total/NA	Solid	8015NM Prep	
890-8991-6	BH 01 A	Total/NA	Solid	8015NM Prep	
MB 880-122211/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-122211/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-122211/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8988-A-5-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-8988-A-5-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 122534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8991-1	SS 01	Total/NA	Solid	8015B NM	122211
890-8991-2	SS 02	Total/NA	Solid	8015B NM	122211
890-8991-3	SS 03	Total/NA	Solid	8015B NM	122211
890-8991-4	SS 04	Total/NA	Solid	8015B NM	122211
890-8991-5	BH 01	Total/NA	Solid	8015B NM	122211
890-8991-6	BH 01 A	Total/NA	Solid	8015B NM	122211
MB 880-122211/1-A	Method Blank	Total/NA	Solid	8015B NM	122211
LCS 880-122211/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	122211
LCSD 880-122211/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	122211
890-8988-A-5-B MS	Matrix Spike	Total/NA	Solid	8015B NM	122211
890-8988-A-5-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	122211

Analysis Batch: 122784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8991-1	SS 01	Total/NA	Solid	8015 NM	
890-8991-2	SS 02	Total/NA	Solid	8015 NM	
890-8991-3	SS 03	Total/NA	Solid	8015 NM	
890-8991-4	SS 04	Total/NA	Solid	8015 NM	
890-8991-5	BH 01	Total/NA	Solid	8015 NM	
890-8991-6	BH 01 A	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 122357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8991-1	SS 01	Soluble	Solid	DI Leach	
890-8991-2	SS 02	Soluble	Solid	DI Leach	
890-8991-3	SS 03	Soluble	Solid	DI Leach	
890-8991-4	SS 04	Soluble	Solid	DI Leach	
890-8991-5	BH 01	Soluble	Solid	DI Leach	
890-8991-6	BH 01 A	Soluble	Solid	DI Leach	
MB 880-122357/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-122357/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-122357/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8989-A-5-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-8989-A-5-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: JRU 007 BATTERY

Job ID: 890-8991-1
SDG: 03C1558752

HPLC/IC

Analysis Batch: 122382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8991-1	SS 01	Soluble	Solid	300.0	122357
890-8991-2	SS 02	Soluble	Solid	300.0	122357
890-8991-3	SS 03	Soluble	Solid	300.0	122357
890-8991-4	SS 04	Soluble	Solid	300.0	122357
890-8991-5	BH 01	Soluble	Solid	300.0	122357
890-8991-6	BH 01 A	Soluble	Solid	300.0	122357
MB 880-122357/1-A	Method Blank	Soluble	Solid	300.0	122357
LCS 880-122357/2-A	Lab Control Sample	Soluble	Solid	300.0	122357
LCSD 880-122357/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	122357
890-8989-A-5-B MS	Matrix Spike	Soluble	Solid	300.0	122357
890-8989-A-5-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	122357

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: JRU 007 BATTERY

Job ID: 890-8991-1
SDG: 03C1558752

Client Sample ID: SS 01

Date Collected: 10/28/25 09:02
Date Received: 10/28/25 13:09

Lab Sample ID: 890-8991-1

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			5.01 g	5 mL	122526	10/31/25 08:55	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	122521	10/31/25 18:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			122723	10/31/25 18:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			122784	10/31/25 15:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	122211	10/28/25 10:34	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	122534	10/31/25 15:01	SA	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	122357	10/29/25 13:29	SA	EET MID
Soluble	Analysis	300.0		1			122382	10/29/25 21:01	CS	EET MID

Client Sample ID: SS 02

Date Collected: 10/28/25 09:04
Date Received: 10/28/25 13:09

Lab Sample ID: 890-8991-2

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			4.98 g	5 mL	122526	10/31/25 08:55	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	122521	10/31/25 18:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			122723	10/31/25 18:51	SA	EET MID
Total/NA	Analysis	8015 NM		1			122784	10/31/25 15:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	122211	10/28/25 10:34	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	122534	10/31/25 15:22	SA	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	122357	10/29/25 13:29	SA	EET MID
Soluble	Analysis	300.0		1			122382	10/29/25 21:17	CS	EET MID

Client Sample ID: SS 03

Date Collected: 10/28/25 09:39
Date Received: 10/28/25 13:09

Lab Sample ID: 890-8991-3

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			5.03 g	5 mL	122526	10/31/25 08:55	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	122521	10/31/25 19:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			122723	10/31/25 19:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			122784	10/31/25 15:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	122211	10/28/25 10:34	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	122534	10/31/25 15:43	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	122357	10/29/25 13:29	SA	EET MID
Soluble	Analysis	300.0		1			122382	10/29/25 21:22	CS	EET MID

Client Sample ID: SS 04

Date Collected: 10/28/25 09:42
Date Received: 10/28/25 13:09

Lab Sample ID: 890-8991-4

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			5.01 g	5 mL	122508	10/30/25 21:57	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	122519	10/31/25 18:37	EL	EET MID
Total/NA	Analysis	Total BTEX		1			122723	10/31/25 18:37	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: JRU 007 BATTERY

Job ID: 890-8991-1
SDG: 03C1558752

Client Sample ID: SS 04

Date Collected: 10/28/25 09:42
Date Received: 10/28/25 13:09

Lab Sample ID: 890-8991-4

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			122784	10/31/25 16:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	122211	10/28/25 10:34	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	122534	10/31/25 16:11	SA	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	122357	10/29/25 13:29	SA	EET MID
Soluble	Analysis	300.0		1			122382	10/29/25 21:27	CS	EET MID

Client Sample ID: BH 01

Date Collected: 10/28/25 10:07
Date Received: 10/28/25 13:09

Lab Sample ID: 890-8991-5

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			4.98 g	5 mL	122508	10/30/25 21:57	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	122519	10/31/25 18:57	EL	EET MID
Total/NA	Analysis	Total BTEX		1			122723	10/31/25 18:57	SA	EET MID
Total/NA	Analysis	8015 NM		1			122784	10/31/25 16:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	122211	10/28/25 10:34	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	122534	10/31/25 16:31	SA	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	122357	10/29/25 13:29	SA	EET MID
Soluble	Analysis	300.0		1			122382	10/29/25 21:32	CS	EET MID

Client Sample ID: BH 01 A

Date Collected: 10/28/25 10:59
Date Received: 10/28/25 13:09

Lab Sample ID: 890-8991-6

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			4.95 g	5 mL	122508	10/30/25 21:57	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	122519	10/31/25 19:18	EL	EET MID
Total/NA	Analysis	Total BTEX		1			122723	10/31/25 19:18	SA	EET MID
Total/NA	Analysis	8015 NM		1			122784	10/31/25 16:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	122211	10/28/25 10:34	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	122534	10/31/25 16:51	SA	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	122357	10/29/25 13:29	SA	EET MID
Soluble	Analysis	300.0		1			122382	10/29/25 21:38	CS	EET MID

Laboratory References:

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

Eurofins Carlsbad

Accreditation/Certification Summary

Client: Ensolum
Project/Site: JRU 007 BATTERY

Job ID: 890-8991-1
SDG: 03C1558752

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

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

Eurofins Carlsbad

Method Summary

Client: Ensolum
 Project/Site: JRU 007 BATTERY

Job ID: 890-8991-1
 SDG: 03C1558752

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

Eurofins Carlsbad

Sample Summary

Client: Ensolum

Project/Site: JRU 007 BATTERY

Job ID: 890-8991-1

SDG: 03C1558752

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8991-1	SS 01	Solid	10/28/25 09:02	10/28/25 13:09	SURFACE
890-8991-2	SS 02	Solid	10/28/25 09:04	10/28/25 13:09	SURFACE
890-8991-3	SS 03	Solid	10/28/25 09:39	10/28/25 13:09	SURFACE
890-8991-4	SS 04	Solid	10/28/25 09:42	10/28/25 13:09	SURFACE
890-8991-5	BH 01	Solid	10/28/25 10:07	10/28/25 13:09	0.5
890-8991-6	BH 01 A	Solid	10/28/25 10:59	10/28/25 13:09	2

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Eurofins Carlsbad

Chain of Custody

Environmental Testing
Xenco



Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3333
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Frobbs, NM (575) 392-7550, Carlsbad, NM (575) 9868-3199

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Tobbs, NM (575) 392-7550, Carlsbad, NM (575) 968-3199

Work Order No:

Page 1 of 1 www.xenec8.com

Project Manager:	Jeremy Reich		
Company Name:	EnsoLum, LLC		
Address:	6021 Marienthal Street Suite 400	City, State ZIP:	Midland, TX 79301
City, State ZIP:	(432) 296-0627	Phone:	
	Bill to: (if different)	Company Name:	XTA Energy Inc.
		3104 E. Greene St.	Carlsbad, NM 88220
		City, State ZIP:	
		Email:	JReich@ensolum.com, Tharao@ensolum.com

ANALYSIS REQUEST

Total 200.7 / 6010	200.8 / 6020:	8RCRA 13PPM Texas 11 Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ 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
1 Sonja Wrigg	Buny	10/28 1309	2	4	6
3					
4					
5					
6					

Cost center: 2080961002 Incident #: NAPP 252693 6385
GFCM: 48605000 t morrissey@ensolum.com
Revised Date: 08/25/2020 Rev. 20202

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-8991-1

SDG Number: 03C1558752

Login Number: 8991**List Source: Eurofins Carlsbad****List Number: 1****Creator: Bruns, Shannon****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: 890-8991-1

SDG Number: 03C1558752

Login Number: 8991**List Source: Eurofins Midland****List Number: 2****List Creation: 10/29/25 07:45 AM****Creator: Laing, Edmundo**

Question	Answer	Comment	
The cooler's custody seal, if present, is intact.	N/A		1
Sample custody seals, if present, are intact.	N/A		2
The cooler or samples do not appear to have been compromised or tampered with.	True		3
Samples were received on ice.	True		4
Cooler Temperature is acceptable.	True		5
Cooler Temperature is recorded.	True		6
COC is present	True		7
COC is filled out in ink and legible.	True		8
COC is filled out with all pertinent information	True		9
Is the Field Sampler's name present on COC?	True		10
There are no discrepancies between the containers received and the COC.	True		11
Samples are received within Holding Time (excluding tests with immediate HTs)	True		12
Sample containers have legible labels.	True		13
Containers are not broken or leaking.	True		14
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

NMOCD Notifications

Location:	JRU 007 Battery	
Spill Date:	9/26/2025	
Incident #:		

Area 1

Approximate Area =	4715	sq. ft.
Average Saturation (or depth) of spill =	2.00	inches
Average Porosity Factor =	0.25	

VOLUME OF LEAK

Total Crude Oil =	28.00	bbls
Total Produced Water =		bbls

Area 2

Approximate Area =		sq. ft.
Average Saturation (or depth) of spill =		inches

VOLUME OF LEAK

Total Crude Oil =		bbls
Total Produced Water =		bbls

TOTAL VOLUME OF LEAK

Total Crude Oil =	28.00	bbls
Total Produced Water =		bbls

TOTAL VOLUME RECOVERED

Total Crude Oil =	28.00	bbls
Total Produced Water =		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 509650

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 509650
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2526935385
Incident Name	NAPP2526935385 JRU 007 BATTERY @ G-06-23S-31E
Incident Type	Oil Release
Incident Status	Initial C-141 Received

Location of Release Source*Please answer all the questions in this group.*

Site Name	JRU 007 Battery
Date Release Discovered	09/26/2025
Surface Owner	Federal

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

Incident Type	Oil 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	Cause: Equipment Failure Pump Crude Oil Released: 28 BBL Recovered: 28 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	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)	Not answered.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 509650

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 509650
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Nature and Volume of Release (continued)	
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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.

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	
<i>The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.</i>	
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	<i>Not answered.</i>

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

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

I hereby agree and sign off to the above statement	Name: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 09/26/2025
--	--

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 3

Action 509650

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 509650
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization

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

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

Remediation Plan

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

Requesting a remediation plan approval with this submission	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>	

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 509650

CONDITIONS

Operator:	OGRID: 5380
XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	Action Number: 509650
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	None	9/26/2025

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 534536

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 534536
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2526935385
Incident Name	NAPP2526935385 JRU 007 BATTERY @ G-06-23S-31E
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received

Location of Release Source*Please answer all the questions in this group.*

Site Name	JRU 007 Battery
Date Release Discovered	09/26/2025
Surface Owner	Federal

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

Incident Type	Oil 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	Cause: Equipment Failure Pump Crude Oil Released: 28 BBL Recovered: 28 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	<i>Not answered.</i>
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	<i>Not answered.</i>
Natural Gas Vented (Mcf) Details	<i>Not answered.</i>
Natural Gas Flared (Mcf) Details	<i>Not answered.</i>
Other Released Details	<i>Not answered.</i>
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	<i>Not answered.</i>

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 534536

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 534536
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.

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	
<i>The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.</i>	
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	<i>Not answered.</i>

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

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

I hereby agree and sign off to the above statement	Name: Richard Kotzur Title: Senior Project Manager Email: NMEnvNotifications@exxonmobil.com Date: 12/12/2025
--	---

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>

QUESTIONS, Page 3

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

Action 534536

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 534536
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between ½ and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (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	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	423
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

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

On what estimated date will the remediation commence	10/07/2025
On what date will (or did) the final sampling or liner inspection occur	10/28/2025
On what date will (or was) the remediation complete(d)	10/28/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
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	0
What is the estimated volume (in cubic yards) that will be remediated	0

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

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

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 4

Action 534536

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 534536
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Remediation Plan (continued)**

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

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

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	<i>Not answered.</i>
(Ex Situ) Excavation and on-site 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)	<i>Yes</i>
Other Non-listed Remedial Process. Please specify	A hole was found in the liner. Subsequent lab results were below OCD action levels. No soils were removed. The Site is currently in the process of being decommissioned and all soils in the top four feet will be reclaimed per 19.15.29.13 NMAC when completed.

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

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

I hereby agree and sign off to the above statement	Name: Richard Kotzur Title: Senior Project Manager Email: NMEnvNotifications@exxonmobil.com Date: 12/12/2025
--	---

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

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 5

Action 534536

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 534536
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only

Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.

Requesting a deferral of the remediation closure due date with the approval of this submission	No
--	----

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 6

Action 534536

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 534536
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	519062
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/28/2025
What was the (estimated) number of samples that were to be gathered	6
What was the sampling surface area in square feet	1200

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	0
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	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	The Site is currently in the process of being decommissioned and all soils in the top four feet will be reclaimed per 19.15.29.13 NMAC when completed.

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

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

I hereby agree and sign off to the above statement	Name: Richard Kotzur Title: Senior Project Manager Email: NMEnvNotifications@exxonmobil.com Date: 12/12/2025
--	---

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 534536

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 534536
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	<input type="checkbox"/> No

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 534536

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 534536
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #nAPP2526935385 JRU 007 Battery, thank you. This Remediation Closure Report is approved.	1/6/2026