



May 21, 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  
PLU 18 TWR West Battery  
Incident Number NAPP2505238818  
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 site assessment, delineation, excavation, and soil sampling activities performed at the PLU 18 TWR West Battery (Site). The purpose of the remediation activities was to assess for the presence or absence of impacts to soil resulting from a crude oil flare fire release at the Site. Based on confirmation soil sample laboratory analytical results, XTO is submitting this *Closure Request* for Incident Number NAPP2505238818.

**SITE DESCRIPTION AND RELEASE SUMMARY**

The Site is located in in Unit E, Section 19, Township 24 South, Range 31 East, in Eddy County, New Mexico (32.20598°, -103.82342°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On February 21, 2025, cold weather conditions caused the supply line in a guppy pump to fail and send an estimated 0.25 barrels (bbls) of crude oil out of the top of the flare and onto the pad surface. The fluids ignited and the fire extinguished by itself. There were no released fluids to recover. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) via a Notification of Release (NOR) on February 21, 2025, and submitted a Release Notification Form C-141 (Form C-141) on February 24, 2025. The release was assigned Incident Number NAPP2505238818.

The release location was initially reported to the NMOCD in Unit A of Section 19, Township 24 South, Range 31 East, but after review of release location coordinates and photographs provided by XTO, it was confirmed that the release occurred in Unit E of Section 19, Township 24 South, Range 31 East.

**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. On August 7, 2023, a soil boring (C-04759) was drilled

XTO Energy, Inc.  
Closure Request  
PLU 18 TWR West Battery



approximately 0.37 miles northeast of the Site utilizing air rotary drilling methods. Soil boring C-04759 was drilled to a total depth of 110 feet bgs. A field geologist logged and described soils continuously. No moisture or groundwater was encountered during drilling activities. The borehole was left open for over 72 hours to allow for potential slow infill of groundwater. After the 72-hour waiting period without observing groundwater, it was confirmed that groundwater beneath the Site is greater than 110 feet bgs. The borehole was properly abandoned with drill cuttings and hydrated bentonite chips. The Well Log for soil boring C-04759 is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a freshwater emergent wetland located approximately 4,715 feet north 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 not underlain by unstable geology (low potential karst designation area).

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

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 20,000 mg/kg

## **SITE ASSESSMENT ACTIVITIES**

On March 3, 2025, Ensolum personnel visited the Site to evaluate the release extent and soil staining from the fire based on information provided on the C-141 and visual observations. The release area was mapped utilizing a handheld Global Positioning System (GPS) unit and is depicted on Figure 2. Photographic documentation was collected during the Site assessment and a Photographic Log is included in Appendix B.

## **SURFACE SCRAPE AND SOIL SAMPLING ACTIVITIES**

On March 20, 2025, Ensolum personnel returned to the Site to oversee surface scraping activities. Surficial staining caused by the release was removed utilizing heavy equipment. The entirety of the release was surface scraped, however, field screening results indicated that a shallow excavation was needed to address the eastern half of the release. The total depth of the excavation is 0.5 feet bgs. Following surface scraping and excavation activities, Ensolum personnel collected 5-point composite soil samples representing no more than 200 square feet from the floor and sidewalls of the excavation. Fourteen 5-point composite soil samples, CS01 through CS05 and CS09 through CS17, were collected from within the surface scraped area or from the floor of the excavation. One 5-point confirmation soil sample, SW01, was collected from the sidewall of the excavation and includes the entire sidewall of the shallow excavated area. The 5-point composite soil samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Additionally, four delineation soil samples (SS01 through SS04) were collected around the release extent from a depth of 0.5 feet bgs to confirm the lateral extent of the release. On May 9, 2025, Ensolum personnel returned to the Site to collect three confirmation soil samples (CS06, CS07, and

XTO Energy, Inc.  
Closure Request  
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CS08) to ensure the entire release area was accounted for and sampled. All soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride Hach® chloride QuanTab® test strips. The excavation extent, delineation soil sample locations, and confirmation soil sample locations were mapped utilizing a handheld GPS unit. The delineation soil sample locations are depicted on Figure 2, and the excavation extent and confirmation soil sample locations are depicted on Figure 3. Photographic documentation was collected and is included in Appendix B.

All soil samples collected 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 Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following contaminants of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standard Method SM4500.

The shallow excavated area measured to approximately 1,830 square feet. An estimated 40 cubic yards of soil was removed during the surface scraping and excavation activities. The soil was transported and properly disposed of at the Northern Delaware Basin Landfill Disposal Facility located in Jal, New Mexico. Disposal manifests are included in Appendix C.

## LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all delineation and confirmation soil samples collected indicated all COC concentrations were below the Site Closure Criteria. This includes SS01 through SS04, which successfully defines the lateral extent of the release. Confirmation soil sample CS01 was the only soil sample that exceeded the strictest Table I Closure Criteria, but, the COC concentrations are below Site Closure Criteria. Laboratory analytical results are summarized in Table 1 and complete laboratory analytical reports are included in Appendix D.

## CLOSURE REQUEST

Site assessment, delineation, excavation, and soil sampling activities were conducted at the Site to address the February 2025 flare fire release. Laboratory analytical results for all confirmation soil samples indicated all COC concentrations were compliant with the Site Closure Criteria. The release is laterally defined by delineation soil samples SS01 through SS04 and vertically defined by confirmation soil samples CS02 through CS17. Based on laboratory analytical results, no further remediation was required. The shallow excavated area will be backfilled within the coming weeks with locally purchased caliche material and the area will be recontoured to match pre-existing Site conditions.

Depth to groundwater has been estimated to be greater than 100 feet bgs and no sensitive receptors were identified near the release extent. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number NAPP2505238818.

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

XTO Energy, Inc.  
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Sincerely,  
**Ensolum, LLC**

A handwritten signature in black ink, appearing to read "Jeremy Reich".

Jeremy Reich  
Project Geologist

A handwritten signature in black ink, appearing to read "Ben J. Belill".

Benjamin J. Belill  
Senior Geologist

cc: Colton Brown, XTO  
Kaylan Dirkx, XTO  
BLM

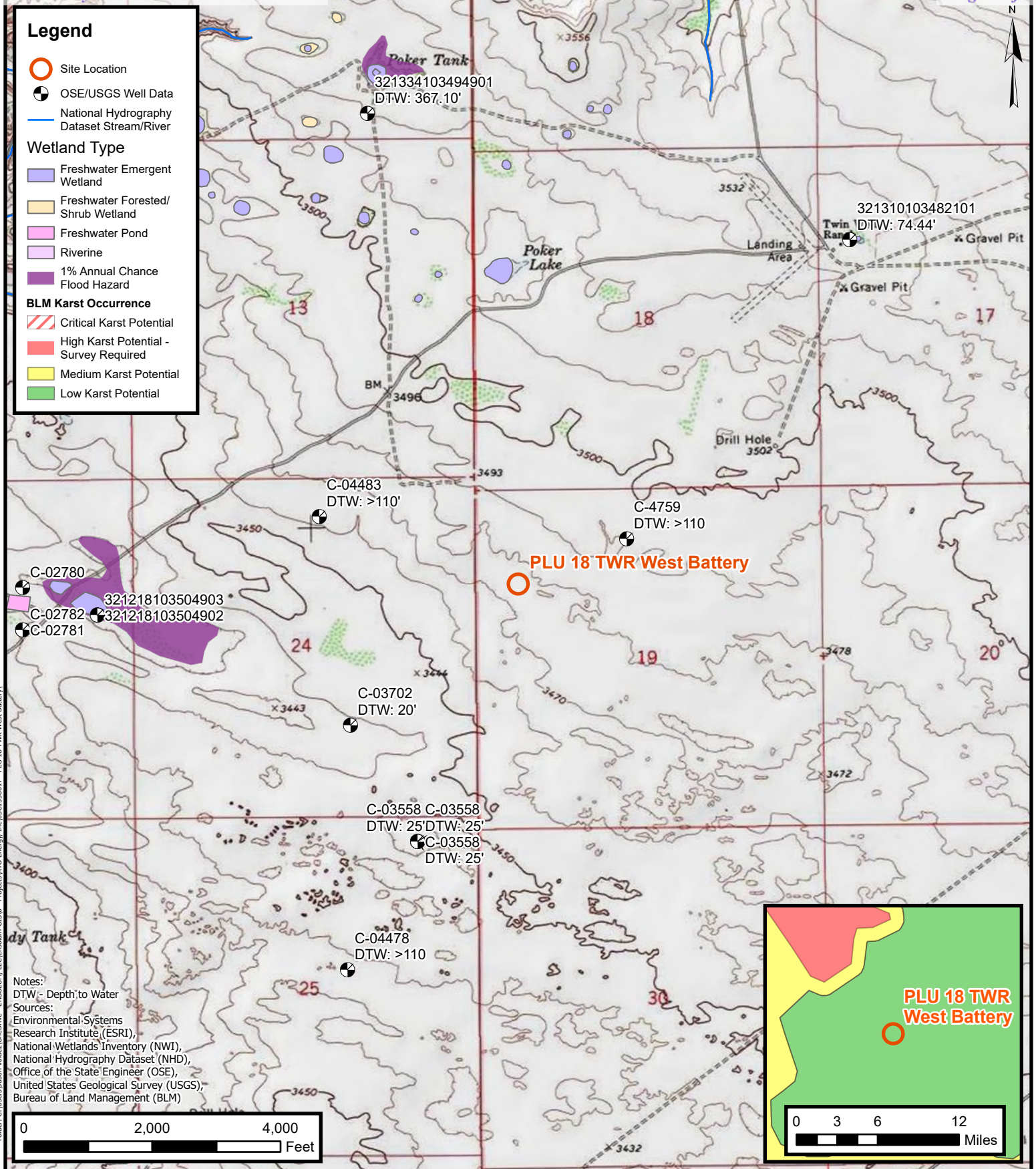
Appendices:


Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Confirmation Soil Sample Locations
Table 1	Soil Sample Analytical Results
Appendix A	Referenced Well Records
Appendix B	Photographic Log
Appendix C	Disposal Manifests
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation



FIGURES







**ENSOLUM**  
Environmental, Engineering and  
Hydrogeologic Consultants

## Site Receptor Map

XTO Energy, Inc  
PLU 18 TWR West Battery  
Incident Number: nAPP2505238818  
Unit E, Section 19, T 24S, R 31E  
Eddy County, New Mexico

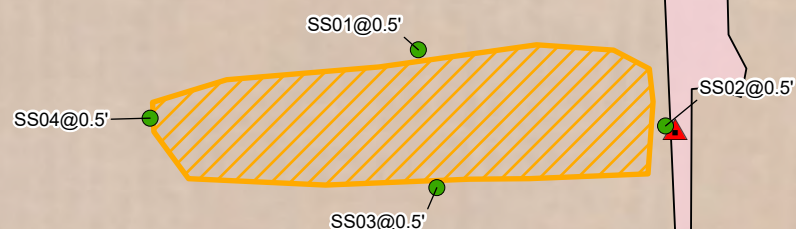
## FIGURE

# 1

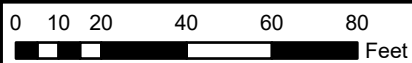


**Legend**

- Delineation Soil Sample in Compliance with Closure Criteria
- ▲ Point of Release (POR)
- Release Extent
- Infrastructure - Production Equipment



Notes:  
Sample ID @ Depth Below Ground Surface.



Sources: Environmental Systems Research Institute (ESRI)



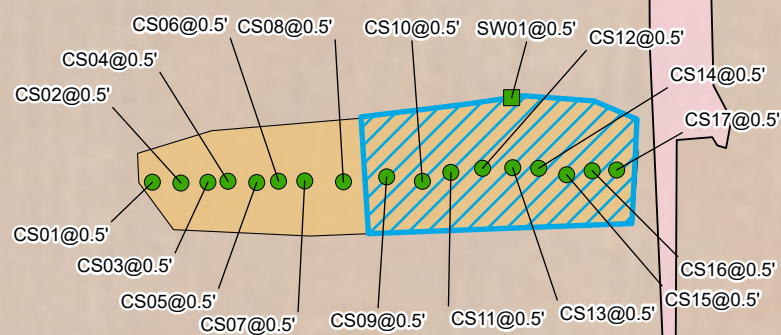
## Delineation Soil Sample Locations

XTO Energy, Inc  
PLU 18 TWR West Battery  
Incident Number: nAPP2505238818  
Unit E, Section 19, T 24S, R 31E  
Eddy County, New Mexico

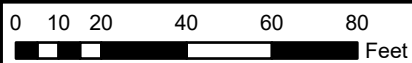
**FIGURE**  
**2**

**Legend**

- Confirmation Soil Sample in Compliance with Closure Criteria
- Confirmation Sidewall Sample in Compliance with Closure Criteria
- Infrastructure - Production Equipment
- Release extent/ Confirmation soil sampling area
- Excavation Extent



Notes:  
Sample ID @ Depth Below Ground Surface.



Sources: Environmental Systems Research Institute (ESRI)



## Confirmation Soil Sample Location

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Incident Number: nAPP2505238818  
Unit E, Section 19, T 24S, R 31E  
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**FIGURE**  
**3**





TABLES



**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**PLU 18 TWR West 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	1,000	2,500	20,000
<b>Delineation Soil Samples</b>										
SS01	03/20/2025	0.5	<0.050	<0.300	<10.0	12.3	<10.0	12.3	12.3	80.0
SS02	03/20/2025	0.5	<0.050	<0.300	<10.0	73.4	18.6	73.4	92.0	96.0
SS03	03/20/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SS04	03/20/2025	0.5	<0.050	<0.300	<10.0	16.3	<10.0	16.3	16.3	64.0
<b>Confirmation Soil Samples</b>										
CS01	03/20/2025	0.5	<0.050	<0.300	<10.0	147	34.9	147	182	128
CS02	03/20/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS03	03/20/2025	0.5	<0.050	<0.300	<10.0	17.3	<10.0	17.3	17.3	96.0
CS04	03/20/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
CS05	03/20/2025	0.5	<0.050	<0.300	<10.0	33.9	<10.0	33.9	33.9	128
CS06	05/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CS07	05/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS08	05/09/2025	0.5	<0.050	3.05	<10.0	18.5	<10.0	18.5	18.5	64.0
CS09	03/20/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS10	03/20/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS11	03/20/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CS12	03/20/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS13	03/20/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS14	03/20/2025	0.5	<0.050	<0.300	<10.0	10.3	<10.0	10.3	10.3	16.0
CS15	03/20/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CS16	03/20/2025	0.5	<0.050	<0.300	<10.0	19.8	<10.0	19.8	19.8	48.0
CS17	03/20/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW01	03/20/2025	0.5	<0.050	<0.300	<10.0	82.0	12.9	82.0	94.9	80.0

## 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




## APPENDIX A

### Referenced Well Records

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 <b>ENSOLUM</b>		Sample Name: C-04759 (BH01)		Date: 8/7/2023				
		Site Name: PLU 18 TWR SAT BATTERY						
		Incident Number: nAPP2230551957						
		Job Number: 03C1558144						
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								
Coordinates: 32.207892, -103.817942			Hole Diameter: 7"	Method: Air Rotary				
Total Depth: 110'								
Comments: No field screening or sampling was conducted at the site.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0	SP	0-10'. Sand w/ trace caliche. Reddish brown, very fine to fine grained, subrounded to subangular, poorly graded, dry.
						10	CCHE	10-40'. Caliche w/ sand. Light brown to tan, very fine to fine grained, subrounded to subangular, poorly graded, dry.
					20			
					30			
					40			
						50	SP	40-100'. Sand w/ trace caliche. Reddish brown, very fine to fine grained, subrounded to subangular grains, poorly graded, dry.
					60			
					70			
					80			
					90			
					100	SC	100-110'. Clayey sand, reddish orange very fine to fine grained, poorly graded, dry.	
					110			110': stopped drilling and set casing at 110'.
TD @ 110' bgs.								



## APPENDIX B

### Photographic Log

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**Photographic Log**

XTO Energy, Inc.

PLU 18 TWR West Battery

Incident Number NAPP2505238818



Photograph: 1                      Date: 3/3/2025  
Description: Site assessment, charring on surface.  
View: Southeast



Photograph: 2                      Date: 3/3/2025  
Description: Site assessment, release extent area.  
View: Northeast



Photograph: 3                      Date: 3/20/2025  
Description: Final excavation extent, area of CS09.  
View: Northeast



Photograph: 4                      Date: 3/20/2025  
Description: Final excavation extent, area of CS14.  
View: Southeast



**Photographic Log**

XTO Energy, Inc.

PLU 18 TWR West Battery

Incident Number NAPP2505238818



Photograph: 5                      Date: 3/20/2025  
Description: Confirmation sampling, area of CS09.  
View: Southwest



Photograph: 6                      Date: 3/20/2025  
Description: Confirmation sampling, area of CS01.  
View: East



## APPENDIX C

### Disposal Manifests

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**OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300

Dallas, TX 75219

505.231.1212

ar@ndblandfill.com

COMPANY MAN: Kent Roiz  
(Authorized Agent's Printed Name and Title)

SIGNATURE: \_\_\_\_\_

COMPANY MAN EMAIL: \_\_\_\_\_

COMPANY MAN PHONE: \_\_\_\_\_

**MANIFEST #****0421969**COMPANY NAME: YTODATE: 3.20.25LEASE: PLU 18 TWR Battery

PHONE: \_\_\_\_\_

SAFE #: NAAPP2505238818 API: FAAPP2126740996RIG NAME: 2111011001 WELL #: \_\_\_\_\_

QUANTITY: \_\_\_\_\_

☐ BBLs☒ YARDSSTATE & COUNTY ORIGIN: Edo

Waste Description (check only one box)

☒ RCRA Exempt☐ RCRA Non-Exempt☐ Water Based Cuttings (DRY)☐ Water Based Cuttings (WET)☒ Contaminated Soil☐ Produced Sands☐ Oil Based Cuttings (DRY)☐ Oil Based Cuttings (WET)☐ Injectable Fluids☐ Non-Injectable Fluids☐ Oil Base Mud☐ Water Base Mud☐ Muds w/Cement☐ Tank Bottoms☐ Rig Trash☐ Pit Liners

Authorize Washout?

☐ Yes☒ No☐ Other: \_\_\_\_\_

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☒ RCRA EXEMPT:

Oilfield wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (NDBL Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oilfield waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ SDS Information☐ RCRA Hazardous Waste Analysis☐ Process Knowledge☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD:

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of that waste must accompany this form)

(Print) Authorized Agent's Name \_\_\_\_\_

Date \_\_\_\_\_

Signature \_\_\_\_\_

**TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT**COMPANY NAME: Sem Tex Mex

YARD #: \_\_\_\_\_

WHP #: \_\_\_\_\_

TRUCK #: 62

ADDRESS: \_\_\_\_\_

TICKET #: \_\_\_\_\_

ROLL OFF BIN#: \_\_\_\_\_

TRAILER #: \_\_\_\_\_

DATE

TIME

☐ AM

DISPATCHER

DISPATCHER

RECEIVED: \_\_\_\_\_

RECEIVED: \_\_\_\_\_

☐ PMNAME: Willy WilletPHONE #: 4322090851

The following statement must be signed by the truck driver prior to unloading at disposal facility:

**"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."**DRIVER: Tad Curry

(Driver's Name Printed)

DRIVER'S SIGNATURE: Tad Curry**I, (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE****TO BE COMPLETED BY OWL LANDFILL EMPLOYEES**

FACILITY RECEIVED AT (Check One):

DATE: 3/20/25

TIME IN: \_\_\_\_\_

AM / PM

TIME OUT: \_\_\_\_\_

AM / PM

☐ Northern Delaware Basin Landfill

2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: \_\_\_\_\_

WASHOUT: \_\_\_\_\_

TIME IN: \_\_\_\_\_

TIME OUT: \_\_\_\_\_

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A

TCLP: PASS FAIL N/A

TOX: PASS FAIL N/A

NORM

TESTING:

(Less than 50 MCR)

Shake Out:

H<sub>2</sub>O  
S

Gallon Test: \_\_\_\_\_

SERVICE NOTES:

This is to certify that: \_\_\_\_\_

Employee (Printed Name)

has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: \_\_\_\_\_

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator



**OWL Landfill Services, LLC**

DBA: Northern Delaware Basin Landfill

3889 Maple Ave. Suite 300

Dallas, TX 75219

505.231.1212

ar@ndblandfill.com

COMPANY MAN: Kent Reed  
(Authorized Agent's Printed Name and Title)

SIGNATURE: \_\_\_\_\_

COMPANY MAN EMAIL: \_\_\_\_\_

COMPANY MAN PHONE: \_\_\_\_\_

**MANIFEST #**

0421968

COMPANY NAME: XTODATE: 3.20.25LEASE: PLU 18 TWR Battery

PHONE: \_\_\_\_\_

AFE #: NAAP2505238818 API: FAAP2126740996QUANTITY: \_\_\_\_\_ ☐ BBLsRIG NAME: 2111011001 WELL #: \_\_\_\_\_20 ☒ YARDSSTATE & COUNTY ORIGIN: EDDY

Waste Description (check only one box)

☐ RCRA Exempt☐ RCRA Non-Exempt☐ Water Based Cuttings (DRY)☐ Water Based Cuttings (WET)☒ Contaminated Soil☐ Produced Sands☐ Oil Based Cuttings (DRY)☐ Oil Based Cuttings (WET)☐ Injectable Fluids☐ Non-Injectable Fluids☐ Oil Base Mud☐ Water Base Mud☐ Muds w/Cement☐ Tank Bottoms☐ Rig Trash☐ Pit Liners

Authorize Washout?

☐ Yes☒ No☐ Other: \_\_\_\_\_

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Oilfield wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (NDBL Accepts certifications on a per load basis only)

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Oilfield waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ SDS Information☐ RCRA Hazardous Waste Analysis☐ Process Knowledge☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD:

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of that waste must accompany this form)

(Print) Authorized Agent's Name \_\_\_\_\_ Date \_\_\_\_\_ Signature \_\_\_\_\_

**TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS PRESENT**COMPANY NAME: Sem Tex Mex YARD #: \_\_\_\_\_ WHP #: \_\_\_\_\_ TRUCK #: 62

ADDRESS: \_\_\_\_\_ TICKET #: \_\_\_\_\_ ROLL OFF BIN#: \_\_\_\_\_ TRAILER #: \_\_\_\_\_

DATE RECEIVED: \_\_\_\_\_ TIME RECEIVED: \_\_\_\_\_ ☐ AM ☐ PMDISPATCHER NAME: Willy Weller DISPATCHER PHONE #: 4322090851

The following statement must be signed by the truck driver prior to unloading at disposal facility:

**"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."**DRIVER: Tad Curry DRIVER'S SIGNATURE: Tad Curry

(Driver's Name Printed)

**I, (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE****TO BE COMPLETED BY OWL LANDFILL EMPLOYEES**

FACILITY RECEIVED AT (Check One):

DATE: 3/20/25 TIME IN: \_\_\_\_\_ AM / PM  
TIME OUT: \_\_\_\_\_ AM / PM☐ Northern Delaware Basin Landfill  
2029 W. NM Highway 128 | Jal, New Mexico 88252

WASHOUT BY: \_\_\_\_\_

WASHOUT: TIME IN: \_\_\_\_\_ TIME OUT: \_\_\_\_\_

ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A  
TCLP: PASS FAIL N/A  
TOX: PASS FAIL N/ANORM  
TESTING:(Less than 50  
MCR)

Shake Out:		
1	2	3
H <sub>2</sub> O		
S		

Gallon Test: \_\_\_\_\_

SERVICE NOTES:

This is to certify that: \_\_\_\_\_ Employee (Printed Name) has received the above indicated waste, waste has passed all acceptance testing of this facility and the waste has been disposed of in an authorized manner at a permitted site.

EMPLOYEE SIGNATURE: \_\_\_\_\_

White Copy: Disposal Facility

Yellow: Transporter

Pink: Generator



## APPENDIX D

### Laboratory Analytical Reports & Chain of Custody Documentation

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

March 28, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: PLU 18 TWR W BTY

Enclosed are the results of analyses for samples received by the laboratory on 03/24/25 12:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

ENSOLUM, LLC  
 JEREMY REICH  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: PLU 18 TWR W BTY  
 Project Number: 03C1558617  
 Project Location: XTO 32.205531-103.823901

Sampling Date: 03/20/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS 01 0.5' (H251706-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/26/2025	ND	1.92	95.8	2.00	3.41	
Toluene*	<0.050	0.050	03/26/2025	ND	2.07	103	2.00	6.15	
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.36	118	2.00	7.49	
Total Xylenes*	<0.150	0.150	03/26/2025	ND	7.07	118	6.00	7.13	
Total BTEX	<0.300	0.300	03/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/25/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	203	102	200	1.94	
DRO >C10-C28*	147	10.0	03/25/2025	ND	195	97.4	200	1.12	
EXT DRO >C28-C36	34.9	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 76.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.8 % 40.6-153

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

ENSOLUM, LLC  
 JEREMY REICH  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: PLU 18 TWR W BTY  
 Project Number: 03C1558617  
 Project Location: XTO 32.205531-103.823901

Sampling Date: 03/20/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS 02 0.5' (H251706-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2025	ND	1.92	95.8	2.00	3.41		
Toluene*	<0.050	0.050	03/26/2025	ND	2.07	103	2.00	6.15		
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.36	118	2.00	7.49		
Total Xylenes*	<0.150	0.150	03/26/2025	ND	7.07	118	6.00	7.13		
Total BTEx	<0.300	0.300	03/26/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/25/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	203	102	200	1.94	
DRO >C10-C28*	<10.0	10.0	03/25/2025	ND	195	97.4	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 85.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.7 % 40.6-153

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

ENSOLUM, LLC  
 JEREMY REICH  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: PLU 18 TWR W BTY  
 Project Number: 03C1558617  
 Project Location: XTO 32.205531-103.823901

Sampling Date: 03/20/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS 03 0.5' (H251706-03)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/26/2025	ND	1.92	95.8	2.00	3.41	
Toluene*	<0.050	0.050	03/26/2025	ND	2.07	103	2.00	6.15	
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.36	118	2.00	7.49	
Total Xylenes*	<0.150	0.150	03/26/2025	ND	7.07	118	6.00	7.13	
Total BTX	<0.300	0.300	03/26/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/25/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	203	102	200	1.94	
DRO >C10-C28*	17.3	10.0	03/25/2025	ND	195	97.4	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 65.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 58.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 JEREMY REICH  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: PLU 18 TWR W BTY  
 Project Number: 03C1558617  
 Project Location: XTO 32.205531-103.823901

Sampling Date: 03/20/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS 04 0.5' (H251706-04)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2025	ND	1.92	95.8	2.00	3.41		
Toluene*	<0.050	0.050	03/26/2025	ND	2.07	103	2.00	6.15		
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.36	118	2.00	7.49		
Total Xylenes*	<0.150	0.150	03/26/2025	ND	7.07	118	6.00	7.13		
Total BTX	<0.300	0.300	03/26/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/25/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	203	102	200	1.94	
DRO >C10-C28*	<10.0	10.0	03/25/2025	ND	195	97.4	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 69.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 60.4 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

ENSOLUM, LLC  
 JEREMY REICH  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: PLU 18 TWR W BTY  
 Project Number: 03C1558617  
 Project Location: XTO 32.205531-103.823901

Sampling Date: 03/20/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS 05 0.5' (H251706-05)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/26/2025	ND	1.92	95.8	2.00	3.41	
Toluene*	0.060	0.050	03/26/2025	ND	2.07	103	2.00	6.15	
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.36	118	2.00	7.49	
Total Xylenes*	<0.150	0.150	03/26/2025	ND	7.07	118	6.00	7.13	
Total BTX	<0.300	0.300	03/26/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/25/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	203	102	200	1.94	
DRO >C10-C28*	33.9	10.0	03/25/2025	ND	195	97.4	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 70.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 63.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

ENSOLUM, LLC  
 JEREMY REICH  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: PLU 18 TWR W BTY  
 Project Number: 03C1558617  
 Project Location: XTO 32.205531-103.823901

Sampling Date: 03/20/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS 09 0.5' (H251706-06)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2025	ND	1.92	95.8	2.00	3.41		
Toluene*	<0.050	0.050	03/26/2025	ND	2.07	103	2.00	6.15		
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.36	118	2.00	7.49		
Total Xylenes*	<0.150	0.150	03/26/2025	ND	7.07	118	6.00	7.13		
Total BTX	<0.300	0.300	03/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/25/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	203	102	200	1.94	
DRO >C10-C28*	<10.0	10.0	03/25/2025	ND	195	97.4	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 77.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 67.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

ENSOLUM, LLC  
 JEREMY REICH  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: PLU 18 TWR W BTY  
 Project Number: 03C1558617  
 Project Location: XTO 32.205531-103.823901

Sampling Date: 03/20/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS 10 0.5' (H251706-07)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2025	ND	1.92	95.8	2.00	3.41		
Toluene*	<0.050	0.050	03/26/2025	ND	2.07	103	2.00	6.15		
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.36	118	2.00	7.49		
Total Xylenes*	<0.150	0.150	03/26/2025	ND	7.07	118	6.00	7.13		
Total BTX	<0.300	0.300	03/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/25/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	203	102	200	1.94	
DRO >C10-C28*	<10.0	10.0	03/25/2025	ND	195	97.4	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 82.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

ENSOLUM, LLC  
 JEREMY REICH  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: PLU 18 TWR W BTY  
 Project Number: 03C1558617  
 Project Location: XTO 32.205531-103.823901

Sampling Date: 03/20/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS 11 0.5' (H251706-08)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2025	ND	1.92	95.8	2.00	3.41		
Toluene*	<0.050	0.050	03/26/2025	ND	2.07	103	2.00	6.15		
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.36	118	2.00	7.49		
Total Xylenes*	<0.150	0.150	03/26/2025	ND	7.07	118	6.00	7.13		
Total BTEX	<0.300	0.300	03/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/25/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	203	102	200	1.94	
DRO >C10-C28*	<10.0	10.0	03/25/2025	ND	195	97.4	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 72.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 63.2 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

ENSOLUM, LLC  
 JEREMY REICH  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: PLU 18 TWR W BTY  
 Project Number: 03C1558617  
 Project Location: XTO 32.205531-103.823901

Sampling Date: 03/20/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS 12 0.5' (H251706-09)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2025	ND	1.92	95.8	2.00	3.41		
Toluene*	<0.050	0.050	03/26/2025	ND	2.07	103	2.00	6.15		
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.36	118	2.00	7.49		
Total Xylenes*	<0.150	0.150	03/26/2025	ND	7.07	118	6.00	7.13		
Total BTX	<0.300	0.300	03/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/25/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	203	102	200	1.94	
DRO >C10-C28*	<10.0	10.0	03/25/2025	ND	195	97.4	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 80.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.2 % 40.6-153

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**Analytical Results For:**

ENSOLUM, LLC  
 JEREMY REICH  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: PLU 18 TWR W BTY  
 Project Number: 03C1558617  
 Project Location: XTO 32.205531-103.823901

Sampling Date: 03/20/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS 13 0.5' (H251706-10)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2025	ND	1.92	95.8	2.00	3.41		
Toluene*	<0.050	0.050	03/26/2025	ND	2.07	103	2.00	6.15		
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.36	118	2.00	7.49		
Total Xylenes*	<0.150	0.150	03/26/2025	ND	7.07	118	6.00	7.13		
Total BTX	<0.300	0.300	03/26/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/25/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	203	102	200	1.94	
DRO >C10-C28*	<10.0	10.0	03/25/2025	ND	195	97.4	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 79.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 JEREMY REICH  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: PLU 18 TWR W BTY  
 Project Number: 03C1558617  
 Project Location: XTO 32.205531-103.823901

Sampling Date: 03/20/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS 14 0.5' (H251706-11)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/26/2025	ND	1.92	95.8	2.00	3.41	
Toluene*	<0.050	0.050	03/26/2025	ND	2.07	103	2.00	6.15	
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.36	118	2.00	7.49	
Total Xylenes*	<0.150	0.150	03/26/2025	ND	7.07	118	6.00	7.13	
Total BTX	<0.300	0.300	03/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/25/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	203	102	200	1.94	
DRO >C10-C28*	10.3	10.0	03/25/2025	ND	195	97.4	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 82.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 JEREMY REICH  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: PLU 18 TWR W BTY  
 Project Number: 03C1558617  
 Project Location: XTO 32.205531-103.823901

Sampling Date: 03/20/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS 15 0.5' (H251706-12)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2025	ND	1.92	95.8	2.00	3.41		
Toluene*	<0.050	0.050	03/26/2025	ND	2.07	103	2.00	6.15		
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.36	118	2.00	7.49		
Total Xylenes*	<0.150	0.150	03/26/2025	ND	7.07	118	6.00	7.13		
Total BTX	<0.300	0.300	03/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/25/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	203	102	200	1.94	
DRO >C10-C28*	<10.0	10.0	03/25/2025	ND	195	97.4	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 88.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM, LLC  
 JEREMY REICH  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: PLU 18 TWR W BTY  
 Project Number: 03C1558617  
 Project Location: XTO 32.205531-103.823901

Sampling Date: 03/20/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS 16 0.5' (H251706-13)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2025	ND	1.92	95.8	2.00	3.41		
Toluene*	<0.050	0.050	03/26/2025	ND	2.07	103	2.00	6.15		
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.36	118	2.00	7.49		
Total Xylenes*	<0.150	0.150	03/26/2025	ND	7.07	118	6.00	7.13		
Total BTEX	<0.300	0.300	03/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/25/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	202	101	200	0.470	
DRO >C10-C28*	19.8	10.0	03/25/2025	ND	189	94.4	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 71.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 67.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 JEREMY REICH  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: PLU 18 TWR W BTY  
 Project Number: 03C1558617  
 Project Location: XTO 32.205531-103.823901

Sampling Date: 03/20/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS 17 0.5' (H251706-14)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2025	ND	1.92	95.8	2.00	3.41		
Toluene*	<0.050	0.050	03/26/2025	ND	2.07	103	2.00	6.15		
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.36	118	2.00	7.49		
Total Xylenes*	<0.150	0.150	03/26/2025	ND	7.07	118	6.00	7.13		
Total BTX	<0.300	0.300	03/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/25/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	202	101	200	0.470	
DRO >C10-C28*	<10.0	10.0	03/25/2025	ND	189	94.4	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 71.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
JEREMY REICH  
705 W WADLEY AVE.  
MIDLAND TX, 79705  
Fax To:

Received: 03/24/2025  
Reported: 03/28/2025  
Project Name: PLU 18 TWR W BTY  
Project Number: 03C1558617  
Project Location: XTO 32.205531-103.823901

Sampling Date: 03/20/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SS 01 0.5' (H251706-15)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2025	ND	1.92	95.8	2.00	3.41		
Toluene*	0.138	0.050	03/26/2025	ND	2.07	103	2.00	6.15		
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.36	118	2.00	7.49		
Total Xylenes*	<0.150	0.150	03/26/2025	ND	7.07	118	6.00	7.13		
Total BTEx	<0.300	0.300	03/26/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/25/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	202	101	200	0.470	
<b>DRO &gt;C10-C28*</b>	<b>12.3</b>	10.0	03/25/2025	ND	189	94.4	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 62.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 58.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 JEREMY REICH  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: PLU 18 TWR W BTY  
 Project Number: 03C1558617  
 Project Location: XTO 32.205531-103.823901

Sampling Date: 03/20/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SS 02 0.5' (H251706-16)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2025	ND	1.92	95.8	2.00	3.41		
Toluene*	<0.050	0.050	03/26/2025	ND	2.07	103	2.00	6.15		
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.36	118	2.00	7.49		
Total Xylenes*	<0.150	0.150	03/26/2025	ND	7.07	118	6.00	7.13		
Total BTEx	<0.300	0.300	03/26/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/25/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	202	101	200	0.470	
DRO >C10-C28*	73.4	10.0	03/25/2025	ND	189	94.4	200	1.83	
EXT DRO >C28-C36	18.6	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 74.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.9 % 40.6-153

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**Analytical Results For:**

ENSOLUM, LLC  
 JEREMY REICH  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: PLU 18 TWR W BTY  
 Project Number: 03C1558617  
 Project Location: XTO 32.205531-103.823901

Sampling Date: 03/20/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SS 03 0.5' (H251706-17)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2025	ND	1.92	96.0	2.00	6.98		
Toluene*	<0.050	0.050	03/26/2025	ND	1.99	99.6	2.00	4.01		
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	1.95	97.7	2.00	3.54		
Total Xylenes*	<0.150	0.150	03/26/2025	ND	5.85	97.5	6.00	2.52		
Total BTEX	<0.300	0.300	03/26/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/25/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	202	101	200	0.470	
DRO >C10-C28*	<10.0	10.0	03/25/2025	ND	189	94.4	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 66.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 61.1 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

ENSOLUM, LLC  
 JEREMY REICH  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: PLU 18 TWR W BTY  
 Project Number: 03C1558617  
 Project Location: XTO 32.205531-103.823901

Sampling Date: 03/20/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SS 04 0.5' (H251706-18)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2025	ND	1.92	96.0	2.00	6.98		
Toluene*	<0.050	0.050	03/26/2025	ND	1.99	99.6	2.00	4.01		
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	1.95	97.7	2.00	3.54		
Total Xylenes*	<0.150	0.150	03/26/2025	ND	5.85	97.5	6.00	2.52		
Total BTEX	<0.300	0.300	03/26/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/25/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	202	101	200	0.470	
DRO >C10-C28*	16.3	10.0	03/25/2025	ND	189	94.4	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 76.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.7 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 JEREMY REICH  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: PLU 18 TWR W BTY  
 Project Number: 03C1558617  
 Project Location: XTO 32.205531-103.823901

Sampling Date: 03/20/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 01 0-0.5' (H251706-19)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2025	ND	1.92	96.0	2.00	6.98		
Toluene*	<0.050	0.050	03/26/2025	ND	1.99	99.6	2.00	4.01		
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	1.95	97.7	2.00	3.54		
Total Xylenes*	<0.150	0.150	03/26/2025	ND	5.85	97.5	6.00	2.52		
Total BTEX	<0.300	0.300	03/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/25/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	202	101	200	0.470	
DRO >C10-C28*	82.0	10.0	03/25/2025	ND	189	94.4	200	1.83	
EXT DRO >C28-C36	12.9	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 64.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 62.6 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "C. D. Keene".

Celey D. Keene, Lab Director/Quality Manager





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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC						<b>BILL TO</b>						<b>ANALYSIS REQUEST</b>									
Project Manager: Jeremy Reich						P.O. #:															
Address: 601 N Marientfeld Street, Suite 400						Company: XTO Energy, Inc															
City: Midland						Attn: Colton Brown															
State: TX Zip: 79701						Address: 3104 E Greene St															
Phone #: 432-296-0627						City: Carlsbad															
Fax #:						State: NM Zip: 88220															
Project #: 03C155 8617						Project Owner: XTO Energy															
Project Name: PLU 187m R w PMS						Phone #:															
Project Location: 32.205531, -103.823901						Fax #:															
Sample Name: Even Rec																					
FOR LAB USE ONLY																					
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	TPH 8015	BTEX 8021	Chloride 4500						
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME						
H81706	L501	~	C	1			V					✓		3.20.75	1317	✓	✓	✓			
	L502	~	C	1			V					✓		3.20.25	1440	✓	✓	✓			
	L503	~	C	1			V					✓		3.20.28	1448	✓	✓	✓			
	L504	~	C	1			V					✓		3.20.25	1510	✓	✓	✓			
	L505	~	C	1			V					✓		3.20.25	1524	✓	✓	✓			
	L509	~	C	1			V					✓		3.20.25	1530	✓	✓	✓			
	L510	~	C	1			V					✓		3.20.25	1543	✓	✓	✓			
	L511	~	C	1			V					✓		3.20.25	1546	✓	✓	✓			
	L512	~	C	1			V					✓		3.20.25	1424	✓	✓	✓			
	L513	~	C	1			V					✓		3.20.25	1412	✓	✓	✓			

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Relinquished By: _____	Date: 3-24-25	Received By: _____	Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #: _____
Relinquished By: Even Rec	Date: 3-24-25	Received By: [Signature]	All Results are emailed. Please provide Email address: jreich@ensolum.com BBell@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com
Remarks: Incident # AOP2505238819	Standard Rush 14.3e	Cost Center 211011001	
Turnaround Time: _____	Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Observed Temp. °C _____	Thermometer ID #A13	Corrected Temp. °C _____
Correction Factor: -0.3°C	No <input type="checkbox"/>		



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2

Company Name: Ensolum, LLC

Project Manager: Jeremy Reich

Address: 601 N Marientfeld Street, Suite 400

City: Midland

Phone #: 432-296-0627

Project #: 03C1558617

Project Name: PLU 1877R W Bds

Project Location: 32.205831, -103.823901

Sample Name: Eiver Rec

BILL TO

P.O. #:

Company: XTO Energy, Inc

Attn: Colton Brown

Address: 3104 E Greene St

City: Carlsbad

State: NM Zip: 88220

Phone #:

Fax #:

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					DATE	TIME	ANALYSIS REQUEST				
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE			TPH 8015	BTEX 8021	Chloride 4500		
HES7706																
11	CS14	.5		1						3-20-25	1404					
12	CS15	.5		1						3-20-25	1354					
13	CS16	.5		1						3-20-25	1346					
14	CS17	.5		1						3-20-25	1340					
15	SS01	.5		1						3-20-25	1052					
16	SS02	.5		1						3-20-25	1219					
17	SS03	.5		1						3-20-25	1108					
18	SS04	.5		1						3-20-25	1113					
19	SS01	.5		1						3-20-25	1618					

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Relinquished By:

Date: 5-24-25

Time: 10:15

Received By: [Signature]

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: jreich@ensolum.com

REMARKS:

Incident #

Cost Center

21100001

Turnaround Time: 96PP250523818

Standard

Thermometer ID: 4133

Correction Factor: -0.30

Corrected Temp. °C

41.1

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

Observed Temp. °C: 38  
Corrected Temp. °C: 41

Sample Condition  
Cool Intact ☒  
Yes ☐ No ☐

CHECKED BY: [Signature]

Bacteria (only) Sample Condition  
Cool Intact ☐  
Yes ☐ No ☐

Corrected Temp. °C

41.1

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





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---

May 12, 2025

JEREMY REICH

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: PLU 18 TWR WEST BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/09/25 14:36.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 05/09/2025  
Reported: 05/12/2025  
Project Name: PLU 18 TWR WEST BATTERY  
Project Number: 03C1558617  
Project Location: XTO 32.205531-103.823901

Sampling Date: 05/09/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: CS 06 0.5' (H252786-01)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2025	ND	1.91	95.5	2.00	4.75	
Toluene*	<0.050	0.050	05/09/2025	ND	2.03	101	2.00	7.10	
Ethylbenzene*	<0.050	0.050	05/09/2025	ND	2.05	103	2.00	7.09	
Total Xylenes*	<0.150	0.150	05/09/2025	ND	6.54	109	6.00	6.90	
Total BTEx	<0.300	0.300	05/09/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/12/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2025	ND	202	101	200	0.524	
DRO >C10-C28*	<10.0	10.0	05/09/2025	ND	197	98.7	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	05/09/2025	ND					

Surrogate: 1-Chlorooctane 89.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 05/09/2025  
Reported: 05/12/2025  
Project Name: PLU 18 TWR WEST BATTERY  
Project Number: 03C1558617  
Project Location: XTO 32.205531-103.823901

Sampling Date: 05/09/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: CS 07 0.5' (H252786-02)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2025	ND	1.91	95.5	2.00	4.75		
Toluene*	<0.050	0.050	05/09/2025	ND	2.03	101	2.00	7.10		
Ethylbenzene*	<0.050	0.050	05/09/2025	ND	2.05	103	2.00	7.09		
Total Xylenes*	<0.150	0.150	05/09/2025	ND	6.54	109	6.00	6.90		
Total BTX	<0.300	0.300	05/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/12/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2025	ND	202	101	200	0.524	
DRO >C10-C28*	<10.0	10.0	05/09/2025	ND	197	98.7	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	05/09/2025	ND					

Surrogate: 1-Chlorooctane 86.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.5 % 40.6-153

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 05/09/2025  
Reported: 05/12/2025  
Project Name: PLU 18 TWR WEST BATTERY  
Project Number: 03C1558617  
Project Location: XTO 32.205531-103.823901

Sampling Date: 05/09/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: CS 08 0.5' (H252786-03)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2025	ND	1.91	95.5	2.00	4.75	
Toluene*	0.058	0.050	05/09/2025	ND	2.03	101	2.00	7.10	
Ethylbenzene*	0.423	0.050	05/09/2025	ND	2.05	103	2.00	7.09	
Total Xylenes*	2.57	0.150	05/09/2025	ND	6.54	109	6.00	6.90	
Total BTEX	3.05	0.300	05/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/12/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2025	ND	202	101	200	0.524	
DRO >C10-C28*	18.5	10.0	05/09/2025	ND	197	98.7	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	05/09/2025	ND					

Surrogate: 1-Chlorooctane 83.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.4 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

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

---

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



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### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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

QUESTIONS

Action 466368

**QUESTIONS**

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 466368
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2505238818
Incident Name	NAPP2505238818 PLU 18 TWR WEST BATTERY @ 0
Incident Type	Flare
Incident Status	Remediation Closure Report Received

**Location of Release Source**

Please answer all the questions in this group.

Site Name	PLU 18 TWR West Battery
Date Release Discovered	02/21/2025
Surface Owner	Federal

**Incident Details**

Please answer all the questions in this group.

Incident Type	Flare
Did this release result in a fire or is the result of a fire	Yes
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: Freeze   Other (Specify)   Crude Oil   Released: 0 BBL   Recovered: 0 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)	Fire at flare resulting in black spot on surface



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QUESTIONS, Page 2

Action 466368

**QUESTIONS (continued)**

Operator:  XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:  5380
	Action Number:  466368
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>More info needed to determine if this will be treated as a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>Yes</b>
Reasons why this would be considered a submission for a notification of a major release	<b>From paragraph A. "Major release" determine using: (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.</b>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

**Initial Response**

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

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

*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	<b>Name: Colton Brown</b> <b>Title: Environmental Advisor</b> <b>Email: colton.s.brown@exxonmobil.com</b> <b>Date: 05/22/2025</b>
--	--

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QUESTIONS, Page 3

Action 466368

**QUESTIONS (continued)**

Operator:  XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:
	5380
	Action Number:
	466368
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	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

**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)	144
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	182
GRO+DRO (EPA SW-846 Method 8015M)	147
BTEX (EPA SW-846 Method 8021B or 8260B)	3
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	03/20/2025
On what date will (or did) the final sampling or liner inspection occur	05/09/2025
On what date will (or was) the remediation complete(d)	05/09/2025
What is the estimated surface area (in square feet) that will be reclaimed	3080
What is the estimated volume (in cubic yards) that will be reclaimed	44
What is the estimated surface area (in square feet) that will be remediated	3080
What is the estimated volume (in cubic yards) that will be remediated	40

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

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

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QUESTIONS, Page 4

Action 466368

**QUESTIONS (continued)**

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 466368
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	OWL LANDFILL JAL [fJEG1635837366]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 05/22/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 466368

QUESTIONS (continued)

Operator:  XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:  5380
	Action Number:  466368
	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

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QUESTIONS, Page 6

Action 466368

**QUESTIONS (continued)**

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 466368
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	458474
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/09/2025
What was the (estimated) number of samples that were to be gathered	3
What was the sampling surface area in square feet	600

**Remediation Closure Request**

*Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.*

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	3080
What was the total volume (cubic yards) remediated	44
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	3080
What was the total volume (in cubic yards) reclaimed	40
Summarize any additional remediation activities not included by answers (above)	"Site assessment, delineation, excavation, and soil sampling activities were conducted at the Site to address the February 2025 flare fire release. Laboratory analytical results for all confirmation soil samples indicated all COC concentrations were compliant with the Site Closure Criteria. The release is laterally defined by delineation soil samples SS01 through SS04 and vertically defined by confirmation soil samples CS02 through CS17. Based on laboratory analytical results, no further remediation was required. The shallow excavated area will be backfilled within the coming weeks with locally purchased caliche material and the area will be recontoured to match pre-existing Site conditions. Depth to groundwater has been estimated to be greater than 100 feet bgs and no sensitive receptors were identified near the release extent. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number NAPP2505238818. "

*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: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 05/22/2025
--	--



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QUESTIONS, Page 7

Action 466368

QUESTIONS (continued)

Operator:  XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:  5380
	Action Number:  466368
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 466368

CONDITIONS

Operator:  XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:  5380
	Action Number:  466368
	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 #NAPP2505238818 PLU 18 TWR WEST BATTERY, thank you. This Remediation Closure Report is approved.	7/9/2025