



July 10, 2025

**New Mexico Oil Conservation Division**

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

**Re: Closure Request  
PLU BS 3-25-31 Battery  
Incident Number nAPP2510531259  
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, excavation, and soil sampling activities at PLU BS 3-25-31 Battery (Site). The purpose of the site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of crude oil resulting from a flare fire. Based on field observations, field screening activities, and soil sample laboratory analytical results, XTO is submitting this *Closure Request*, describing remedial activities that have occurred and requesting no further remediation for Incident Number nAPP2510531259.

## **SITE DESCRIPTION AND RELEASE SUMMARY**

The Site is located in Unit A, Section 4, Township 25 South, Range 31 East, in Eddy County, New Mexico (32.16499°, -103.77822°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On April 14, 2025, overflow from a flare resulted in the release of approximately 3 barrels (bbls) of crude oil and resulted in a fire. No fluids were recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) via Notification of Release (NOR) and an Initial C-141 Application (C-141) on April 15, 2025. The release was assigned Incident Number nAPP2510531259.

Based on the location of the release, BLM land access approval was needed prior to conducting remedial activities with mechanical equipment. XTO submitted a Form 3160-5 (Sundry Form) to the BLM to request access to the pasture soils on May 12, 2025. XTO received an approved sundry, granting access to complete remediation the same day. The approved sundry is presented in Appendix A.

## **SITE CHARACTERIZATION AND CLOSURE CRITERIA**

The Site was characterized to determine 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.

Depth to groundwater at the Site is greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. On August 9, 2023, the New Mexico Office of State Engineer (OSE) permitted soil boring (C-04762) was advanced to a depth of 110 feet bgs via air rotary drilling method.

The borehole was located approximately 0.4 miles southeast of the Site. A field geologist logged and described soils continuously. 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 using hydrated bentonite chips. The Well Record & Log is provided in Appendix B.

The closest continuously flowing or significant watercourse to the Site is an emergent wetland located 8,180 feet to the southeast. 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 potentially unstable geology (low potential karst designation area). Potential Site receptors are identified on Figure 1.

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

A reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH applies to the top 4 feet of pasture area that was impacted by the release, per 19.15.29.13.D (1) NMAC for the top 4 feet of areas that will be reclaimed following remediation.

## CONFIRMATION SOIL SAMPLING AND EXCAVATION ACTIVITIES

On April 14, 2025, Ensolum personnel visited the Site to evaluate the release extent based on information provided and visual observations. No samples were collected during the Site visit. On April 22 and April 23, 2025, Ensolum returned to the Site and collected 5-point composite soil samples representing no more than 200 square feet from the release extent. 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. Confirmation soil samples CS01 through CS47 were collected at the surface from within the release area to confirm the presence or absence of impacts. The release extent and confirmation soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2.

Between May 21 and June 6 2025, waste-containing soil identified from the composite soil sampling was excavated from the release area. Excavation activities were performed using heavy equipment. To direct excavation activities, the soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Following the removal of waste-containing soil, Ensolum personnel collected 5-point composite soil samples representing no more than 200 square feet from the sidewalls and floor of the excavations. Confirmation soil samples CS03A, CS06A, CS11A, CS16A, CS17A, CS19A, CS24A, CS28A, CS30A through CS32A, CS38A, CS39A, CS43A, CS44A, and CS47A were collected from the floor of the

XTO Energy, Inc  
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excavation at a depth of 1-foot bgs. Confirmation sidewall soil samples SW01 through SW06 were collected from the sidewalls of the excavation at depths ranging from ground surface to 1-foot bgs. The excavation extents and related confirmation soil sample locations are presented on Figure 3. Photographic documentation is included in Appendix C.

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 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 Standards Method SM4500.

The final excavation extents measured approximately 2,460 square feet in total. A total of approximately 95 cubic yards of waste-containing soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the OWL Landfill Disposal in Jal, New Mexico. The final excavation extent will be backfilled with material purchased locally and recontoured to match pre-existing Site conditions.

## LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all final confirmation soil samples collected indicated that all COC concentrations were compliant with the Closure Criteria and reclamation requirements. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Appendix D.

## CLOSURE REQUEST

Site assessment, delineation and excavation activities were conducted at the Site to address the April 14, 2025, flare fire and crude oil release. Laboratory analytical results for all confirmation soil samples collected from the release extent and final excavation extents indicated that all COC concentrations were compliant with the Closure Criteria and reclamation requirements. Based on the soil sample analytical results, no further remediation was required. The excavation will be backfilled with material purchased locally and the Site recontoured to match pre-existing Site conditions.

Excavation of soil has mitigated impacts at this Site. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number nAPP2510531259.

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

Sincerely,  
**Ensolum, LLC**

A handwritten signature in black ink, appearing to read "Tracy Hillard".

Tracy Hillard  
Project Engineer

A handwritten signature in black ink, appearing to read "Tacoma Morrissey".

Tacoma Morrissey  
Associate Principal

XTO Energy, Inc  
Closure Request  
PLU BS 3-25-31 Battery



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cc: Colton Brown, XTO  
Kaylan Dirkx, XTO  
BLM

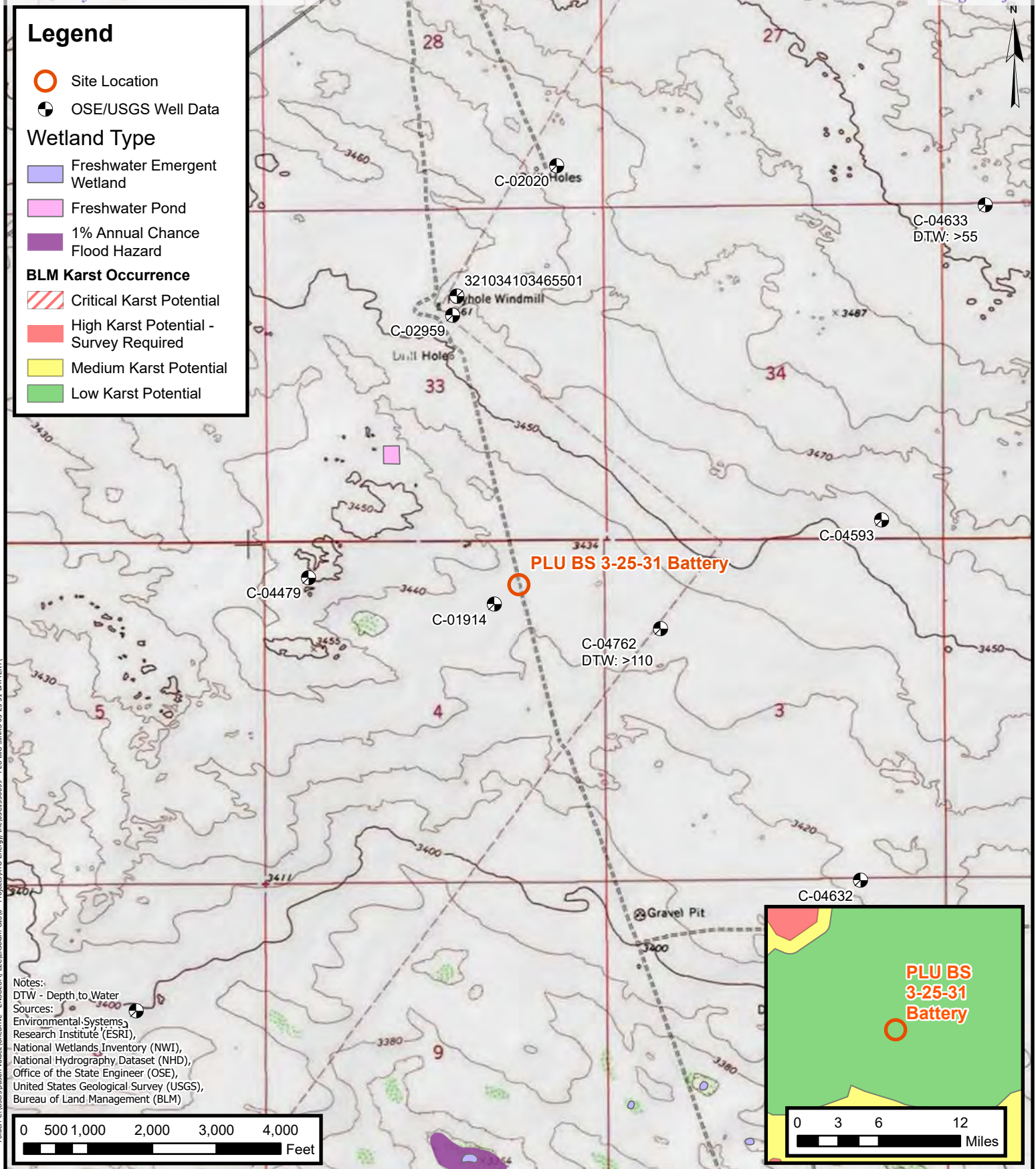
Appendices:

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



FIGURES





## Site Receptor Map

XTO ENERGY, INC.  
PLU BS 3-25-31 Battery  
Incident Number: nAPP2510531259  
Unit A, Section 4, Township 25 South, Range 31 East  
Eddy County, New Mexico

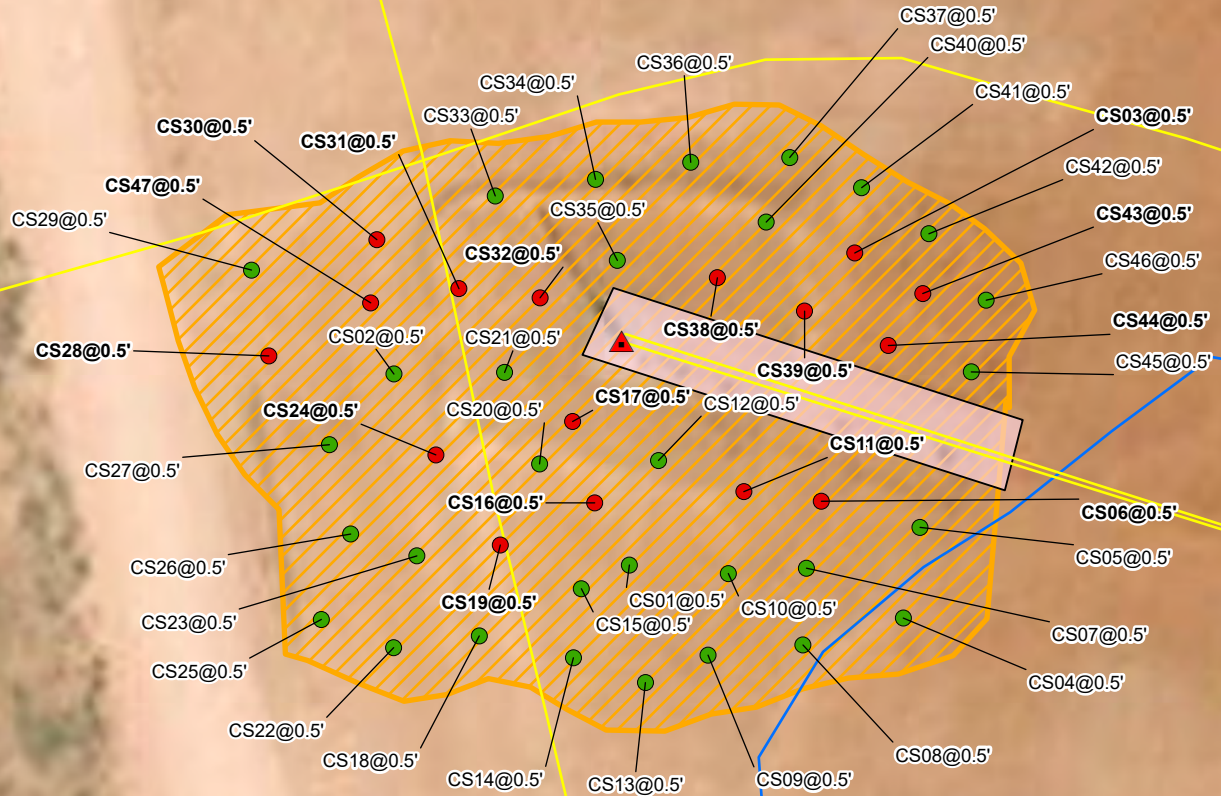
**FIGURE**

**1**



**Legend**

- Confirmation Soil Sample in Compliance with Closure Criteria
- Confirmation Soil Sample with Concentrations Exceeding Closure Criteria
- ▲ Point of Release (POR)
- Oil and Gas Utility Line
- Water Utility Line
- Infrastructure
- Release Extent



Notes:  
 Sample ID @ Depth Below Ground Surface.  
 Samples in bold indicate sample exceeded applicable Closure Criteria.

0 5 10 20 30 40  
 Feet

Sources: Environmental Systems Research Institute (ESRI)

## Delineation Soil Sample Locations

XTO ENERGY, INC.  
 PLU BS 3-25-31 Battery  
 Incident Number: nAPP2510531259  
 Unit A, Section 4, Township 25 South, Range 31 East  
 Eddy County, New Mexico

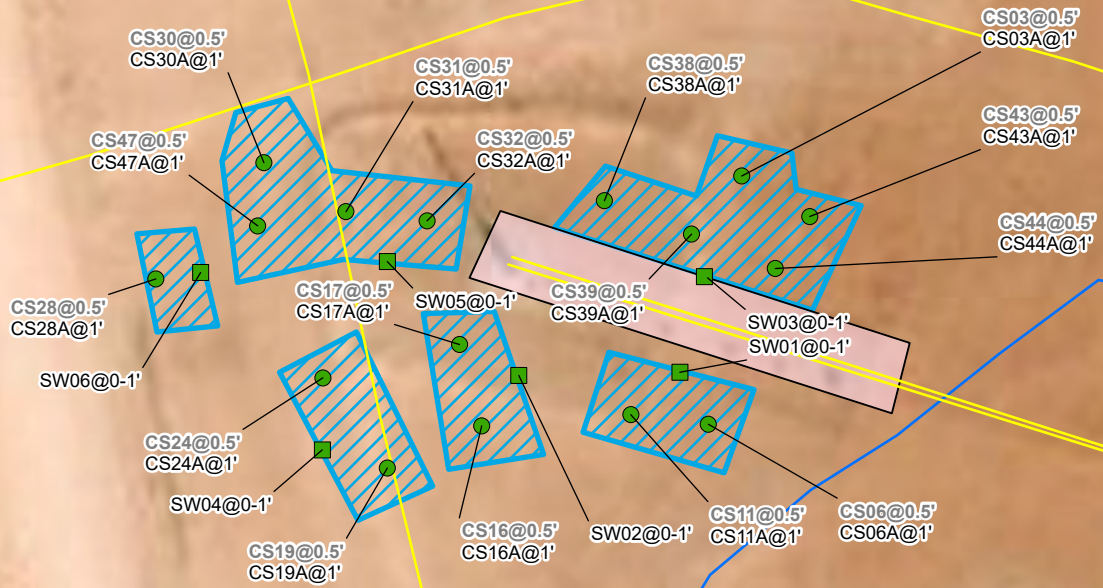
FIGURE

2



**Legend**

- Excavation Sidewall Sample in Compliance with Closure Criteria
- Confirmation Soil Sample in Compliance with Closure Criteria
- Oil and Gas Utility Line
- Water Utility Line
- Excavation Extent
- Infrastructure



**Notes:**  
 Sample ID @ Depth Below Ground Surface.  
 Samples in bold indicate sample exceeded applicable Closure Criteria.  
 Grey text indicate soil sample was removed during excavation activities.

0 5 10 20 30 40  
 Feet

Sources: Environmental Systems Research Institute (ESRI)

## Confirmation Soil Sample Location



XTO ENERGY, INC.  
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 Unit A, Section 4, Township 25 South, Range 31 East  
 Eddy County, New Mexico

**FIGURE**

**3**





TABLES



**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**PLU Big Sinks 03-25-31 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
Confirmation Soil Samples										
CS01	04/22/2025	0.5	<0.050	<0.300	<10.0	62.6	21.6	62.6	84.2	272
CS02	04/22/2025	0.5	<0.050	<0.300	<10.0	65.9	26.8	65.9	92.7	<16.0
CS03	04/22/2025	0.5	<0.050	<0.300	<10.0	340	139	340	479	<16.0
CS03A	06/05/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS04	04/22/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS05	04/22/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
CS06	04/22/2025	0.5	<0.050	<0.300	<10.0	130	32.3	130	162	144
CS06A	06/05/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS07	04/22/2025	0.5	<0.050	<0.300	<10.0	72.1	21.6	72.1	93.7	80.0
CS08	04/22/2025	0.5	<0.050	<0.300	<10.0	41.6	<10.0	41.6	41.6	32.0
CS09	04/22/2025	0.5	<0.050	<0.300	<10.0	21.0	<10.0	21.0	21.0	80.0
CS10	04/22/2025	0.5	<0.050	<0.300	<10.0	16.6	<10.0	16.6	16.6	<16.0
CS11	04/22/2025	0.5	<0.050	<0.300	<10.0	511	143	511	654	64.0
CS11A	06/05/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS12	04/22/2025	0.5	<0.050	<0.300	<10.0	49.2	<10.0	49.2	49.2	32.0
CS13	04/22/2025	0.5	<0.050	<0.300	<10.0	32.2	<10.0	32.2	32.2	64.0
CS14	04/22/2025	0.5	<0.050	<0.300	<10.0	36.8	<10.0	36.8	36.8	16.0
CS15	04/22/2025	0.5	<0.050	<0.300	<10.0	65.8	14.6	65.8	80.4	<16.0
CS16	04/22/2025	0.5	<0.050	<0.300	<10.0	255	65.2	255	320	32.0
CS16A	06/05/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS17	04/24/2025	0.5	<0.050	<0.300	<10.0	137	25.6	137	163	<16.0
CS17A	06/05/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS18	04/22/2025	0.5	<0.050	<0.300	<10.0	33.3	<10.0	33.3	33.3	32.0
CS19	04/22/2025	0.5	<0.050	<0.300	<10.0	368	95.7	368	464	16.0
CS19A	06/05/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS20	04/22/2025	0.5	<0.050	<0.300	<10.0	47.0	<10.0	47.0	47.0	32.0
CS21	04/22/2025	0.5	<0.050	<0.300	<10.0	29.8	<10.0	29.8	29.8	<16.0
CS22	04/22/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS23	04/22/2025	0.5	<0.050	<0.300	<10.0	34.3	<10.0	34.3	34.3	<16.0
CS24	04/22/2025	0.5	<0.050	<0.300	<10.0	106	23.6	106	130	<16.0
CS24A	06/05/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0



**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**PLU Big Sinks 03-25-31 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
CS25	04/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CS26	04/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS27	04/24/2025	0.5	<0.050	<0.300	<10.0	29.3	<10.0	29.3	29.3	<16.0
<del>CS28</del>	<del>04/24/2025</del>	<del>0.5</del>	<del>&lt;0.050</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	139	38.7	139	178	<16.0
CS28A	06/06/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS29	04/24/2025	0.5	<0.050	<0.300	<10.0	25.8	<10.0	25.8	25.8	<16.0
<del>CS30</del>	<del>04/24/2025</del>	<del>0.5</del>	<del>&lt;0.050</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	159	42.8	159	202	<16.0
CS30A	06/06/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
<del>CS31</del>	<del>04/24/2025</del>	<del>0.5</del>	<del>&lt;0.050</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	109	<10.0	109	109	<16.0
CS31A	06/06/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
<del>CS32</del>	<del>04/24/2025</del>	<del>0.5</del>	<del>&lt;0.050</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	134	32.7	134	167	<16.0
CS32A	06/06/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS33	04/24/2025	0.5	<0.050	<0.300	<10.0	14.6	<10.0	14.6	14.6	<16.0
CS34	04/24/2025	0.5	<0.050	<0.300	<10.0	15.2	<10.0	15.2	15.2	<16.0
CS35	04/24/2025	0.5	<0.050	<0.300	<10.0	23.4	<10.0	23.4	23.4	<16.0
CS36	04/24/2025	0.5	<0.050	<0.300	<10.0	28.4	<10.0	28.4	28.4	<16.0
CS37	04/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
<del>CS38</del>	<del>04/24/2025</del>	<del>0.5</del>	<del>&lt;0.050</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	156	35.1	156	191	<16.0
CS38A	05/21/2025	1	<0.050	<0.300	<10.0	21.6	<10.0	21.6	21.6	<16.0
<del>CS39</del>	<del>04/24/2025</del>	<del>0.5</del>	<del>&lt;0.050</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	91.2	15.3	91.2	107	<16.0
CS39A	05/21/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS40	04/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS41	04/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS42	04/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
<del>CS43</del>	<del>04/24/2025</del>	<del>0.5</del>	<del>&lt;0.050</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	161	47.8	161	209	<16.0
CS43A	05/21/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
<del>CS44</del>	<del>04/24/2025</del>	<del>0.5</del>	<del>&lt;0.050</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	126	21.3	126	147	<16.0
CS44A	05/21/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS45	04/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS46	04/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
<del>CS47</del>	<del>04/24/2025</del>	<del>0.5</del>	<del>&lt;0.050</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	109	15.4	109	124	<16.0
CS47A	06/06/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0





TABLE 1  
SOIL SAMPLE ANALYTICAL RESULTS  
PLU Big Sinks 03-25-31 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
SW01	06/06/2025	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW02	06/06/2025	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW03	06/06/2025	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW04	06/06/2025	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW05	06/06/2025	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW06	06/06/2025	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0

## 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

Grey text indicates soil sample removed during excavation activities



## APPENDIX A

### Land Access References

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Well Name: POKER LAKE UNIT CVX JV BS	Well Location: T25S / R31E / SEC 3 / LOT 03 / 32.095678 / -103.460269	County or Parish/State: EDDY / NM
Well Number: 30H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM031384	Unit or CA Name:	Unit or CA Number: NMNM71016V
US Well Number: 3001542496	Operator: XTO PERMIAN OPERATING LLC	

Notice of Intent

Sundry ID: 2852366

Type of Submission: Notice of Intent      Type of Action: Other

Date Sundry Submitted: 05/12/2025      Time Sundry Submitted: 12:19

Date proposed operation will begin: 05/19/2025

**Procedure Description:** XTO Permian Operating LLC (XTO) respectfully requests access off pad in order to complete remediation activities related to NMOCD Incident Number nAPP2510531259 which involves the PLU Big Sinks 03-25-31 Battery flare fire that occurred on April 14, 2025. Excavation of impacted soil is needed in pasture areas located at 32.16498, -103.77822. The nearest XTO well on BLM land is Poker Lake Unit CVX JV BS #030H located approximately 0.59 miles east-northeast of the release. Heavy equipment (backhoe, trackhoe, front loader, hydrovacuum truck) will be utilized to complete the excavation. After successful completion of remediation efforts, the disturbed areas will be backfilled and recontoured to match pre-existing conditions and re-seeded with the recommended BLM seed mixture. Please see attached Site Map.

Surface Disturbance

Is any additional surface disturbance proposed?: Yes

Proposed Disturbance(acres): 0.78	Interim Reclamation (acres): 0.0	Long Term Disturbance (acres): 0.0
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Surface Disturbance:

NOI Attachments

Procedure Description

XTO\_\_Land\_Access\_Map\_\_PLU\_Big\_Sinks\_03\_25\_31\_Battery\_\_nAPP2510531259\_20250512121613.pdf



Received by OCD: 7/11/2025 8:33:26 AM

Page 15 of 121

Well Name: POKER LAKE UNIT CVX JV BS	Well Location: T25S / R31E / SEC 3 / LOT 03 / 32.095678 / -103.460269	County or Parish/State: EDDY / NM
Well Number: 30H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM031384	Unit or CA Name:	Unit or CA Number: NMNM71016V
US Well Number: 3001542496	Operator: XTO PERMIAN OPERATING LLC	

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: SHERRY MORROW	Signed on: MAY 12, 2025 12:17 PM
Name: XTO PERMIAN OPERATING LLC	
Title: Regulatory Analyst	
Street Address: 6401 HOLIDAY HILL ROAD BLDG 5	
City: MIDLAND	State: TX
Phone: (432) 218-3671	
Email address: SHERRY.MORROW@EXXONMOBIL.COM	

Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: CRISHA A MORGAN	BLM POC Title: Environmental Protection Specialist
BLM POC Phone: 5752345987	BLM POC Email Address: camorgan@blm.gov
Disposition: Approved	Disposition Date: 05/12/2025
Signature: CRISHA A. MORGAN	

Form 3160-5  
(June 2019)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2021

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.	
6. If Indian, Allottee or Tribe Name	
7. If Unit of CA/Agreement, Name and/or No.	
8. Well Name and No.	
9. API Well No.	
10. Field and Pool or Exploratory Area	
11. Country or Parish, State	

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well		
<input type="checkbox"/> Oil Well	<input type="checkbox"/> Gas Well	<input type="checkbox"/> Other
2. Name of Operator		
3a. Address	3b. Phone No. (include area code)	
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)	Title
Signature	Date

**THE SPACE FOR FEDERAL OR STATE OFICE USE**

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

## GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

## SPECIFIC INSTRUCTIONS

*Item 4* - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

*Item 13*: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

## NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

**BURDEN HOURS STATEMENT:** Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240



## Additional Information

### Location of Well

0. SHL: LOT 03 / 330 FNL / 1940 FWL / TWSP: 25S / RANGE: 31E / SECTION: 3 / LAT: 32.095678 / LONG: -103.460269 ( TVD: 0 feet, MD: 0 feet )

PPP: LOT 03 / 817 FNL / 2000 FWL / TWSP: 25S / RANGE: 31E / SECTION: 3 / LAT: 0.0 / LONG: 0.0 ( TVD: 0 feet, MD: 0 feet )

BHL: SESW / 331 FSL / 1983 FWL / TWSP: 25S / RANGE: 31E / SECTION: 10 / LAT: 0.0 / LONG: 0.0 ( TVD: 0 feet, MD: 0 feet )



# Location Site Map

Incident Number nAPP2510531259

## Legend



Release Extent



Requested Area of Disturbance



Poker Lake CVX JV BS #030H

PLU Big Sinks 03-25-31 Battery



1000 ft



# Requested Area of Disturbance

Incident Number nAPP2510531259

## Legend



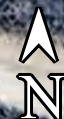
Release Extent



Requested Area of Disturbance



PLU Big Sinks 03-25-31 Battery







## APPENDIX B

### Referenced Well Records

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# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

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

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) Pod 1 (BH01)		WELL TAG ID NO. n/a		OSE FILE NO(S). C-4762			
	WELL OWNER NAME(S) XTO Energy, Inc.				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 3401 E, Greene Street				CITY Carlsbad	STATE NM	ZIP 88220	
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 9	SECONDS 46.76	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE -103	46	16.78	W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Unit E, Section 3, Township 25 South, Range 31 East								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1188		NAME OF LICENSED DRILLER Scott Scarborough			NAME OF WELL DRILLING COMPANY Scarborough Drilling Inc.		
	DRILLING STARTED 8/9/2023		DRILLING ENDED 8/9/2023		DEPTH OF COMPLETED WELL (FT) Temp casing only	BORE HOLE DEPTH (FT) 110	DEPTH WATER FIRST ENCOUNTERED (FT) N/A	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES – SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER – SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	110	6	Temporary SCH 40 PVC	-	2	-	-
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				N/A				

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

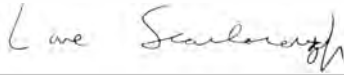


4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	20	20	Tan Caliche	Y    ✓ N	
	20	30	10	Red-Brown Sand	Y    ✓ N	
	30	110	80	Red-Orange Sand	Y    ✓ N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm):    0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Temporary casing removed and soil bore was backfilled using drill cuttings to a depth of 10 feet below ground surface, remaining 10 feet backfilled using hydrated bentonite chips.	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Scott Scarborough, Mariaha O'Dell, Sarah Welvang	

6. SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.	
	 _____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME	Lane Scarborough _____ DATE

FOR OSE INTERNAL USE

WR-20 WELL RECORD &amp; LOG (Version 04/30/2019)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2



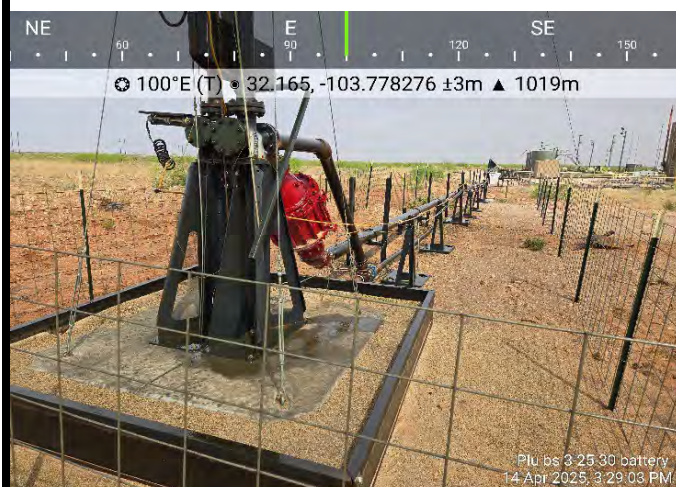
## APPENDIX C

### Photographic Log

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**Photographic Log**  
XTO Energy, Inc  
PLU BS 3-25-31 Battery  
nAPP2510531259



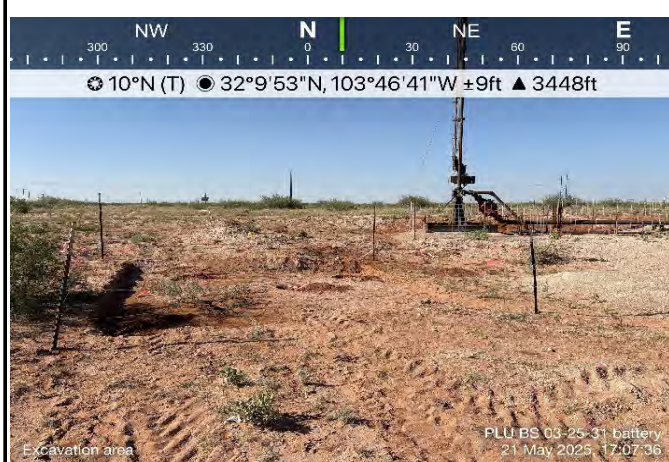
Photograph: 1 Date: 4/14/2025  
Description: Site assessment activities  
View: East



Photograph: 2 Date: 4/22/2025  
Description: Confirmation sampling; near CS33  
View: East



Photograph: 3 Date: 4/24/2025  
Description: Confirmation sampling; near CS10  
View: North

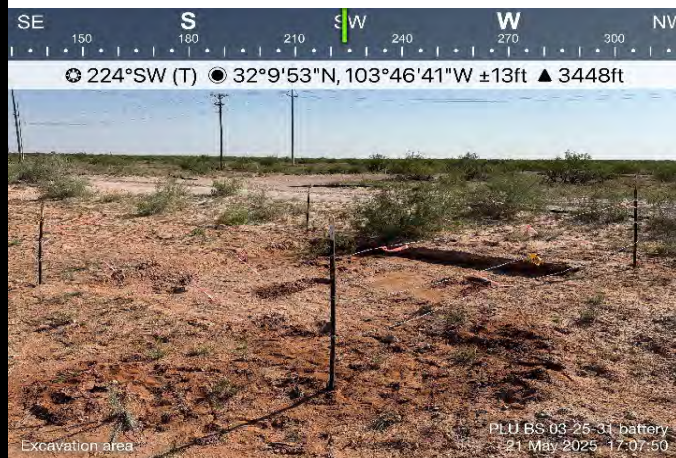


Photograph: 4 Date: 5/21/2025  
Description: Excavation activities; near CS17  
View: North





**Photographic Log**  
XTO Energy, Inc  
PLU BS 3-25-31 Battery  
nAPP2510531259



Photograph: 5 Date: 5/21/2025  
Description: Excavation activities; near CS28  
View: Southwest



Photograph: 6 Date: 6/6/2025  
Description: Excavation activities; near CS32  
View: East



Photograph: 7 Date: 6/6/2025  
Description: Excavation activities; near CS03  
View: Southwest



Photograph: 8 Date: 6/6/2025  
Description: Excavation activities; near CS47  
View: East



## APPENDIX D

### Laboratory Analytical Reports & Chain of Custody Documentation

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

---

April 30, 2025

TRACY HILLARD

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: PLU BIG SINKS 03-25-31 BATTERY - SPILLS

Enclosed are the results of analyses for samples received by the laboratory on 04/24/25 13:30.

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, LLC  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/22/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPI	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 01 0.5' (H252467-01)**

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	04/26/2025	ND	2.24	112	2.00	1.90	
Toluene*	<0.050	0.050	04/26/2025	ND	2.34	117	2.00	2.78	
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.50	125	2.00	2.35	
Total Xylenes*	<0.150	0.150	04/26/2025	ND	7.55	126	6.00	2.17	
Total BTEX	<0.300	0.300	04/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	272	16.0	04/25/2025	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	04/25/2025	ND	197	98.4	200	3.48	
DRO >C10-C28*	62.6	10.0	04/25/2025	ND	229	115	200	0.170	
EXT DRO >C28-C36	21.6	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.3 % 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  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/22/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPI	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 02 0.5' (H252467-02)**

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	04/26/2025	ND	2.24	112	2.00	1.90		
Toluene*	<0.050	0.050	04/26/2025	ND	2.34	117	2.00	2.78		
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.50	125	2.00	2.35		
Total Xylenes*	<0.150	0.150	04/26/2025	ND	7.55	126	6.00	2.17		
Total BTX	<0.300	0.300	04/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	04/25/2025	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	04/25/2025	ND	197	98.4	200	3.48	
DRO >C10-C28*	65.9	10.0	04/25/2025	ND	229	115	200	0.170	
EXT DRO >C28-C36	26.8	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

ENSOLUM, LLC  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/22/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 03 0.5' (H252467-03)**

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	04/26/2025	ND	2.24	112	2.00	1.90		
Toluene*	<0.050	0.050	04/26/2025	ND	2.34	117	2.00	2.78		
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.50	125	2.00	2.35		
Total Xylenes*	<0.150	0.150	04/26/2025	ND	7.55	126	6.00	2.17		
Total BTEX	<0.300	0.300	04/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	<16.0	16.0	04/25/2025	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	04/25/2025	ND	197	98.4	200	3.48	
DRO >C10-C28*	340	10.0	04/25/2025	ND	229	115	200	0.170	
EXT DRO >C28-C36	139	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.0 % 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  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/22/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPI	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 04 0.5' (H252467-04)**

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	04/26/2025	ND	2.24	112	2.00	1.90		
Toluene*	<0.050	0.050	04/26/2025	ND	2.34	117	2.00	2.78		
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.50	125	2.00	2.35		
Total Xylenes*	<0.150	0.150	04/26/2025	ND	7.55	126	6.00	2.17		
Total BTEX	<0.300	0.300	04/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	<16.0	16.0	04/25/2025	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	04/25/2025	ND	197	98.4	200	3.48	
DRO >C10-C28*	<10.0	10.0	04/25/2025	ND	229	115	200	0.170	
EXT DRO >C28-C36	<10.0	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 96.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM, LLC  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/22/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 05 0.5' (H252467-05)**

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	04/26/2025	ND	2.24	112	2.00	1.90		
Toluene*	<0.050	0.050	04/26/2025	ND	2.34	117	2.00	2.78		
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.50	125	2.00	2.35		
Total Xylenes*	<0.150	0.150	04/26/2025	ND	7.55	126	6.00	2.17		
Total BTX	<0.300	0.300	04/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	112	16.0	04/25/2025	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	04/25/2025	ND	197	98.4	200	3.48	
DRO >C10-C28*	<10.0	10.0	04/25/2025	ND	229	115	200	0.170	
EXT DRO >C28-C36	<10.0	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 99.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/22/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 06 0.5' (H252467-06)**

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	04/26/2025	ND	2.31	115	2.00	1.77		
Toluene*	<0.050	0.050	04/26/2025	ND	2.46	123	2.00	6.09		
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.65	133	2.00	7.40	QM-07	
Total Xylenes*	<0.150	0.150	04/26/2025	ND	8.06	134	6.00	7.65	QM-07	
Total BTEX	<0.300	0.300	04/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	144	16.0	04/25/2025	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	04/25/2025	ND	215	108	200	0.841	
DRO >C10-C28*	130	10.0	04/25/2025	ND	217	109	200	0.0852	
EXT DRO >C28-C36	32.3	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 90.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/22/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 07 0.5' (H252467-07)**

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	04/26/2025	ND	2.31	115	2.00	1.77		
Toluene*	<0.050	0.050	04/26/2025	ND	2.46	123	2.00	6.09		
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.65	133	2.00	7.40		
Total Xylenes*	<0.150	0.150	04/26/2025	ND	8.06	134	6.00	7.65		
Total BTEX	<0.300	0.300	04/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	80.0	16.0	04/25/2025	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	04/25/2025	ND	215	108	200	0.841	
DRO >C10-C28*	72.1	10.0	04/25/2025	ND	217	109	200	0.0852	
EXT DRO >C28-C36	21.6	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 95.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/22/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 08 0.5' (H252467-08)**

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	04/26/2025	ND	2.31	115	2.00	1.77		
Toluene*	<0.050	0.050	04/26/2025	ND	2.46	123	2.00	6.09		
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.65	133	2.00	7.40		
Total Xylenes*	<0.150	0.150	04/26/2025	ND	8.06	134	6.00	7.65		
Total BTEX	<0.300	0.300	04/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	04/25/2025	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	04/25/2025	ND	215	108	200	0.841	
DRO >C10-C28*	41.6	10.0	04/25/2025	ND	217	109	200	0.0852	
EXT DRO >C28-C36	<10.0	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 96.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/22/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPI	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 09 0.5' (H252467-09)**

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	04/26/2025	ND	2.31	115	2.00	1.77		
Toluene*	<0.050	0.050	04/26/2025	ND	2.46	123	2.00	6.09		
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.65	133	2.00	7.40		
Total Xylenes*	<0.150	0.150	04/26/2025	ND	8.06	134	6.00	7.65		
Total BTEX	<0.300	0.300	04/26/2025	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	80.0	16.0	04/25/2025	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	04/25/2025	ND	215	108	200	0.841	
DRO >C10-C28*	21.0	10.0	04/25/2025	ND	217	109	200	0.0852	
EXT DRO >C28-C36	<10.0	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 94.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM, LLC  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/22/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 10 0.5' (H252467-10)**

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	04/26/2025	ND	2.31	115	2.00	1.77		
Toluene*	<0.050	0.050	04/26/2025	ND	2.46	123	2.00	6.09		
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.65	133	2.00	7.40		
Total Xylenes*	<0.150	0.150	04/26/2025	ND	8.06	134	6.00	7.65		
Total BTEX	<0.300	0.300	04/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	<16.0	16.0	04/25/2025	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	04/25/2025	ND	215	108	200	0.841	
DRO >C10-C28*	16.6	10.0	04/25/2025	ND	217	109	200	0.0852	
EXT DRO >C28-C36	<10.0	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 107 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/22/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 11 0.5' (H252467-11)**

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	04/26/2025	ND	2.31	115	2.00	1.77		
Toluene*	<0.050	0.050	04/26/2025	ND	2.46	123	2.00	6.09		
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.65	133	2.00	7.40		
Total Xylenes*	<0.150	0.150	04/26/2025	ND	8.06	134	6.00	7.65		
Total BTEX	<0.300	0.300	04/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	04/25/2025	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	04/25/2025	ND	215	108	200	0.841	
DRO >C10-C28*	511	10.0	04/25/2025	ND	217	109	200	0.0852	
EXT DRO >C28-C36	143	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 93.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 114 % 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  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/22/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPI	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 12 0.5' (H252467-12)**

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	04/26/2025	ND	2.31	115	2.00	1.77		
Toluene*	<0.050	0.050	04/26/2025	ND	2.46	123	2.00	6.09		
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.65	133	2.00	7.40		
Total Xylenes*	<0.150	0.150	04/26/2025	ND	8.06	134	6.00	7.65		
Total BTEX	<0.300	0.300	04/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	32.0	16.0	04/25/2025	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	04/25/2025	ND	215	108	200	0.841	
DRO >C10-C28*	49.2	10.0	04/25/2025	ND	217	109	200	0.0852	
EXT DRO >C28-C36	<10.0	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/22/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 13 0.5' (H252467-13)**

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	04/26/2025	ND	2.31	115	2.00	1.77		
Toluene*	<0.050	0.050	04/26/2025	ND	2.46	123	2.00	6.09		
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.65	133	2.00	7.40		
Total Xylenes*	<0.150	0.150	04/26/2025	ND	8.06	134	6.00	7.65		
Total BTX	<0.300	0.300	04/26/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/25/2025	ND	400	100	400	3.92		

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	04/25/2025	ND	215	108	200	0.841	
DRO >C10-C28*	32.2	10.0	04/25/2025	ND	217	109	200	0.0852	
EXT DRO >C28-C36	<10.0	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 96.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/22/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 14 0.5' (H252467-14)**

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	04/26/2025	ND	2.31	115	2.00	1.77		
Toluene*	<0.050	0.050	04/26/2025	ND	2.46	123	2.00	6.09		
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.65	133	2.00	7.40		
Total Xylenes*	<0.150	0.150	04/26/2025	ND	8.06	134	6.00	7.65		
Total BTEX	<0.300	0.300	04/26/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/25/2025	ND	400	100	400	3.92		

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	04/25/2025	ND	215	108	200	0.841	
DRO >C10-C28*	36.8	10.0	04/25/2025	ND	217	109	200	0.0852	
EXT DRO >C28-C36	<10.0	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 97.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/22/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 15 0.5' (H252467-15)**

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	04/26/2025	ND	2.31	115	2.00	1.77		
Toluene*	<0.050	0.050	04/26/2025	ND	2.46	123	2.00	6.09		
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.65	133	2.00	7.40		
Total Xylenes*	<0.150	0.150	04/26/2025	ND	8.06	134	6.00	7.65		
Total BTEX	<0.300	0.300	04/26/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/25/2025	ND	400	100	400	3.92		

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	04/25/2025	ND	215	108	200	0.841	
DRO >C10-C28*	65.8	10.0	04/25/2025	ND	217	109	200	0.0852	
EXT DRO >C28-C36	14.6	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 94.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM, LLC  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/22/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 16 0.5' (H252467-16)**

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	04/26/2025	ND	2.31	115	2.00	1.77	
Toluene*	<0.050	0.050	04/26/2025	ND	2.46	123	2.00	6.09	
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.65	133	2.00	7.40	
Total Xylenes*	<0.150	0.150	04/26/2025	ND	8.06	134	6.00	7.65	
Total BTX	<0.300	0.300	04/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/25/2025	ND	400	100	400	3.92		

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	04/25/2025	ND	215	108	200	0.841	
DRO >C10-C28*	255	10.0	04/25/2025	ND	217	109	200	0.0852	
EXT DRO >C28-C36	65.2	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 96.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 108 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/22/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 18 0.5' (H252467-17)**

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	04/26/2025	ND	2.31	115	2.00	1.77		
Toluene*	<0.050	0.050	04/26/2025	ND	2.46	123	2.00	6.09		
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.65	133	2.00	7.40		
Total Xylenes*	<0.150	0.150	04/26/2025	ND	8.06	134	6.00	7.65		
Total BTEX	<0.300	0.300	04/26/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/25/2025	ND	400	100	400	3.92		

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	04/25/2025	ND	215	108	200	0.841	
DRO >C10-C28*	33.3	10.0	04/25/2025	ND	217	109	200	0.0852	
EXT DRO >C28-C36	<10.0	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 91.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/22/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 19 0.5' (H252467-18)**

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	04/26/2025	ND	2.31	115	2.00	1.77		
Toluene*	<0.050	0.050	04/26/2025	ND	2.46	123	2.00	6.09		
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.65	133	2.00	7.40		
Total Xylenes*	<0.150	0.150	04/26/2025	ND	8.06	134	6.00	7.65		
Total BTEX	<0.300	0.300	04/26/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/25/2025	ND	400	100	400	3.92		

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	04/25/2025	ND	215	108	200	0.841	
DRO >C10-C28*	368	10.0	04/25/2025	ND	217	109	200	0.0852	
EXT DRO >C28-C36	95.7	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 118 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/22/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 20 0.5' (H252467-19)**

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	04/26/2025	ND	2.31	115	2.00	1.77		
Toluene*	<0.050	0.050	04/26/2025	ND	2.46	123	2.00	6.09		
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.65	133	2.00	7.40		
Total Xylenes*	<0.150	0.150	04/26/2025	ND	8.06	134	6.00	7.65		
Total BTEX	<0.300	0.300	04/26/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/25/2025	ND	400	100	400	3.92		

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	04/25/2025	ND	215	108	200	0.841	
DRO >C10-C28*	47.0	10.0	04/25/2025	ND	217	109	200	0.0852	
EXT DRO >C28-C36	<10.0	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 96.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/22/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 21 0.5' (H252467-20)**

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	04/27/2025	ND	2.31	115	2.00	1.77		
Toluene*	<0.050	0.050	04/27/2025	ND	2.46	123	2.00	6.09		
Ethylbenzene*	<0.050	0.050	04/27/2025	ND	2.65	133	2.00	7.40		
Total Xylenes*	<0.150	0.150	04/27/2025	ND	8.06	134	6.00	7.65		
Total BTEX	<0.300	0.300	04/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/25/2025	ND	400	100	400	3.92		

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	04/25/2025	ND	215	108	200	0.841	
<b>DRO &gt;C10-C28*</b>	<b>29.8</b>	10.0	04/25/2025	ND	217	109	200	0.0852	
EXT DRO >C28-C36	<10.0	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 91.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.6 % 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  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/22/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 22 0.5' (H252467-21)**

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	04/27/2025	ND	2.31	115	2.00	1.77		
Toluene*	<0.050	0.050	04/27/2025	ND	2.46	123	2.00	6.09		
Ethylbenzene*	<0.050	0.050	04/27/2025	ND	2.65	133	2.00	7.40		
Total Xylenes*	<0.150	0.150	04/27/2025	ND	8.06	134	6.00	7.65		
Total BTEX	<0.300	0.300	04/27/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/25/2025	ND	400	100	400	3.92		

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	04/25/2025	ND	215	108	200	0.841	
DRO >C10-C28*	<10.0	10.0	04/25/2025	ND	217	109	200	0.0852	
EXT DRO >C28-C36	<10.0	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 95.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/22/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 23 0.5' (H252467-22)**

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	04/27/2025	ND	2.31	115	2.00	1.77		
Toluene*	<0.050	0.050	04/27/2025	ND	2.46	123	2.00	6.09		
Ethylbenzene*	<0.050	0.050	04/27/2025	ND	2.65	133	2.00	7.40		
Total Xylenes*	<0.150	0.150	04/27/2025	ND	8.06	134	6.00	7.65		
Total BTEX	<0.300	0.300	04/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/25/2025	ND	400	100	400	3.92		

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	04/25/2025	ND	215	108	200	0.841	
<b>DRO &gt;C10-C28*</b>	<b>34.3</b>	10.0	04/25/2025	ND	217	109	200	0.0852	
EXT DRO >C28-C36	<10.0	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 90.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.7 % 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  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/22/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 24 0.5' (H252467-23)**

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	04/27/2025	ND	2.31	115	2.00	1.77		
Toluene*	<0.050	0.050	04/27/2025	ND	2.46	123	2.00	6.09		
Ethylbenzene*	<0.050	0.050	04/27/2025	ND	2.65	133	2.00	7.40		
Total Xylenes*	<0.150	0.150	04/27/2025	ND	8.06	134	6.00	7.65		
Total BTEX	<0.300	0.300	04/27/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/25/2025	ND	400	100	400	3.92		

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	04/25/2025	ND	215	108	200	0.841	
DRO >C10-C28*	106	10.0	04/25/2025	ND	217	109	200	0.0852	
EXT DRO >C28-C36	23.6	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 95.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager

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### Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
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".

---

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

<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>														
Company Name: Ensolum, LLC				P.O. #:														
Project Manager: Tracy H. Ward				Company: XTO Energy, Inc														
Address: 601 N Marienfeld Street, Suite 400				Attn: Colton Brown														
City: Midland State: TX Zip: 79701				Address: 3104 E Greene St														
Phone #: 575 937 3906 Fax #:				City: Carlsbad State: NM Zip: 88220														
Project #: 03C1558659 Project Owner: XTO Energy - SPILLS				State: NM Zip: 88220														
Project Name: PLU By Sinks 03-25-31 bettery				Phone #:														
Project Location: 32.164 PA1, ~W3.778 Y24				Fax #:														
Sampler Name: Uriel Santillana				PRESERV		SAMPLING												
FOR LAB USE ONLY																		
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500								
HAS 34167	C501	0.5'	<input type="checkbox"/>	<input checked="" type="checkbox"/>	GROUNDWATER WASTEWATER <input checked="" type="checkbox"/> SOIL OIL SLUDGE OTHER :	<input checked="" type="checkbox"/> ACID/BASE: <input checked="" type="checkbox"/> ICE / COOL OTHER :	4/22/25	1043	X	X	X							
1	C502		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				1044										
2	C503		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				1046										
3	C504		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				1148										
4	C505		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				1151										
5	C506		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				1156										
6	C507		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				1159										
7	C508		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				1204										
8	C509		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				1209										
9	C510		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				1212										
10			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>														

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**Relinquished By:** [Signature] Date: 4-21-25 Received By: [Signature] Date: 4-22-25

**Relinquished By:** [Signature] Date: 4-21-25 Received By: [Signature] Date: 4-22-25

**Turnaround Time:** Standard Rush

**Thermometer ID:** 843 Correction Factor: -0.5°C

**Remarks:** Incident Number: WAF 2510 5312 59 Cost Center: 1071021001 GFCM: 48605000

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

**All Results are emailed. Please provide Email address:**

THillard@ensolum.com, TMorrissey@ensolum.com, KThomasom@ensolum.com

**Delivered By:** (Circle One) Observed Temp.: °C Sample Condition Cool Intact Bacteria (only) Sample Condition Cool Intact Observed Temp.: °C Corrected Temp.: °C

**Sampler - UPS - Bus - Other:** Corrected Temp.: °C





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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>BILL TO</b>										<b>ANALYSIS REQUEST</b>																
Company Name: Ensolum, LLC										P.O. #:																
Project Manager: Tracy H. Harv										Company: XTO Energy, Inc																
Address: 601 N Marientfield Street, Suite 400										Attn: Colton Brown																
City: Midland State: TX Zip: 79701										Address: 3104 E Greene St																
Phone #: 575 937 3906 Fax #:										City: Carlsbad																
Project #: 03C1558659 Project Owner: XTO Energy - SPILLS										State: NM Zip: 88220																
Project Name: PLU By Sinks 03-25-31 Battery										Phone #:																
Project Location: 32.164 991, -103.778 924										Fax #:																
Sampler Name: Uriel Santillana																										
FOR LAB USE ONLY																										
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.	SAMPLING															
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500								
H253467	C511	0.5'	C	I	X							X		4/22/25	1218	X	X	X								
11	C512														1221											
12	C513														1242											
13	C514														1248											
14	C515														1251											
15	C516														1300											
16	C518														1303											
17	C519														1309											
18	C520														1411											
19	C521																									
20	C521																									

**PLEASE NOTE:** Liability and Damages. Cardinal's liability and clients exclusive remedy for any claim arising whether based in contract or tort shall be limited to the amount paid by the client for the analyses. All claims resulting from negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: [Signature]		Date: 4-22-25	Received By: [Signature]
Time: 1330		Time: [Blank]	
Date: [Blank]		Date: [Blank]	
Relinquished By: [Signature]		Received By: [Signature]	
Time: [Blank]		Time: [Blank]	
Date: [Blank]		Date: [Blank]	
Delivered By: (Circle One) Sampler - UPS   Bus - Other:		Observed Temp.: °C Corrected Temp.: °C	Sample Condition <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Turnaround Time: 90 min		Standard	Bacteria (only) Sample Condition
Thermometer ID: 1113		Rush	Cool Intact
Correction Factor: 0.5°C		+0.3°C	Observed Temp.: °C
			Corrected Temp.: °C

**Verbal Result:** ☐ Yes ☐ No **Add'l Phone #:** [Blank]  
**All Results are emailed. Please provide Email address:** [Blank]  
 T.Hillard@ensolum.com, K.Thomason@ensolum.com  
 REMARKS: Incident Number: WAP2510531259  
 Cost Center: 1071021001  
 GFCM: 48605000





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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> Ensolum, LLC <b>Project Manager:</b> Tracy H. Harb <b>Address:</b> 601 N Marlenfeld Street, Suite 400 <b>City:</b> Midland <b>State:</b> TX <b>Zip:</b> 79701 <b>Phone #:</b> 575 937 3906 <b>Fax #:</b> <b>Project #:</b> 03C1558659 <b>Project Owner:</b> XTO Energy <b>Project Name:</b> PLU by Sinks 03-25-31 Battery - SPILLS <b>Project Location:</b> 32-164 891, -103.778 924 <b>Sampler Name:</b> Uriel Santillana <b>Fax #:</b>										<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> XTO Energy, Inc <b>Attn:</b> Colton Brown <b>Address:</b> 3104 E Greene St <b>City:</b> Carlsbad <b>State:</b> NM <b>Zip:</b> 88220 <b>Phone #:</b> <b>Fax #:</b>										<b>ANALYSIS REQUEST</b>									
<b>Lab I.D.</b> H354167 <b>Sample I.D.</b> CS22 <b>Depth (feet)</b> 0.5' <b>DATE</b> 4/22/25 <b>TIME</b> 1409										<b>Matrix:</b> GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER: <b>Preserv:</b> ACID/BASE, ICE/COOL, OTHER: <b>Sampling:</b> TPH 8015, BTEX 8021, Chloride 4500																			
<b>Relinquished By:</b> [Signature] <b>Date:</b> 4-24-25 <b>Time:</b> 1330 <b>Received By:</b> [Signature] <b>Date:</b> <b>Time:</b>										<b>Verbal Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Phone #:</b> <b>Remarks:</b> Incident Number: 41872510551259 <b>Cost Center:</b> 1071021001 <b>GFCM:</b> 48605000																			
<b>Relinquished By:</b> [Signature] <b>Date:</b> 4-24-25 <b>Time:</b> 1330 <b>Received By:</b> [Signature]										<b>Turnaround Time:</b> Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> <b>Thermometer ID:</b> 413 #140 <b>Correction Factor:</b> -0.36 #16.36 <b>Bacteria (only):</b> <input type="checkbox"/> Bacteria <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Sample Condition:</b> <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Observed Temp. °C:</b> 1.8 <b>Corrected Temp. °C:</b> 2.1																			



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

April 30, 2025

TRACY HILLARD

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: PLU BIG SINKS 03-25-31 BATTERY - SPILLS

Enclosed are the results of analyses for samples received by the laboratory on 04/24/25 14:08.

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, LLC  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/24/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPI	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 25 0.5' (H252487-01)**

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	04/26/2025	ND	2.29	115	2.00	1.26	
Toluene*	<0.050	0.050	04/26/2025	ND	2.28	114	2.00	1.34	
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.22	111	2.00	1.56	
Total Xylenes*	<0.150	0.150	04/26/2025	ND	6.53	109	6.00	1.11	
Total BTEX	<0.300	0.300	04/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 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	04/28/2025	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	04/25/2025	ND	194	97.1	200	3.92	
DRO >C10-C28*	<10.0	10.0	04/25/2025	ND	179	89.6	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 98.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.3 % 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  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/24/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 26 0.5' (H252487-02)**

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	04/26/2025	ND	2.29	115	2.00	1.26		
Toluene*	<0.050	0.050	04/26/2025	ND	2.28	114	2.00	1.34		
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.22	111	2.00	1.56		
Total Xylenes*	<0.150	0.150	04/26/2025	ND	6.53	109	6.00	1.11		
Total BTEX	<0.300	0.300	04/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 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	16.0	16.0	04/28/2025	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	04/25/2025	ND	194	97.1	200	3.92	
DRO >C10-C28*	<10.0	10.0	04/25/2025	ND	179	89.6	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 98.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/24/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 27 0.5' (H252487-03)**

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	04/26/2025	ND	2.29	115	2.00	1.26		
Toluene*	<0.050	0.050	04/26/2025	ND	2.28	114	2.00	1.34		
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.22	111	2.00	1.56		
Total Xylenes*	<0.150	0.150	04/26/2025	ND	6.53	109	6.00	1.11		
Total BTEX	<0.300	0.300	04/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 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	<16.0	16.0	04/28/2025	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	04/25/2025	ND	194	97.1	200	3.92	
DRO >C10-C28*	29.3	10.0	04/25/2025	ND	179	89.6	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 98.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/24/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 28 0.5' (H252487-04)**

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	04/26/2025	ND	2.29	115	2.00	1.26		
Toluene*	<0.050	0.050	04/26/2025	ND	2.28	114	2.00	1.34		
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.22	111	2.00	1.56		
Total Xylenes*	<0.150	0.150	04/26/2025	ND	6.53	109	6.00	1.11		
Total BTEX	<0.300	0.300	04/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 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	<16.0	16.0	04/28/2025	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	04/25/2025	ND	194	97.1	200	3.92	
DRO >C10-C28*	139	10.0	04/25/2025	ND	179	89.6	200	2.84	
EXT DRO >C28-C36	38.7	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 96.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/24/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 29 0.5' (H252487-05)**

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	04/26/2025	ND	2.29	115	2.00	1.26		
Toluene*	<0.050	0.050	04/26/2025	ND	2.28	114	2.00	1.34		
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.22	111	2.00	1.56		
Total Xylenes*	<0.150	0.150	04/26/2025	ND	6.53	109	6.00	1.11		
Total BTEX	<0.300	0.300	04/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 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	<16.0	16.0	04/28/2025	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	04/25/2025	ND	194	97.1	200	3.92	
<b>DRO &gt;C10-C28*</b>	<b>25.8</b>	10.0	04/25/2025	ND	179	89.6	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 98.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/24/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 30 0.5' (H252487-06)**

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	04/26/2025	ND	2.29	115	2.00	1.26		
Toluene*	<0.050	0.050	04/26/2025	ND	2.28	114	2.00	1.34		
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.22	111	2.00	1.56		
Total Xylenes*	<0.150	0.150	04/26/2025	ND	6.53	109	6.00	1.11		
Total BTX	<0.300	0.300	04/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/28/2025	ND	432	108	400	3.64		

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	04/25/2025	ND	194	97.1	200	3.92	
DRO >C10-C28*	159	10.0	04/25/2025	ND	179	89.6	200	2.84	
EXT DRO >C28-C36	42.8	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 78.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM, LLC  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/24/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPI	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 31 0.5' (H252487-07)**

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	04/26/2025	ND	2.29	115	2.00	1.26		
Toluene*	<0.050	0.050	04/26/2025	ND	2.28	114	2.00	1.34		
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.22	111	2.00	1.56		
Total Xylenes*	<0.150	0.150	04/26/2025	ND	6.53	109	6.00	1.11		
Total BTEX	<0.300	0.300	04/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/28/2025	ND	432	108	400	3.64		

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	04/25/2025	ND	194	97.1	200	3.92	
<b>DRO &gt;C10-C28*</b>	<b>109</b>	10.0	04/25/2025	ND	179	89.6	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 95.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/24/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 32 0.5' (H252487-08)**

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	04/26/2025	ND	2.29	115	2.00	1.26		
Toluene*	<0.050	0.050	04/26/2025	ND	2.28	114	2.00	1.34		
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.22	111	2.00	1.56		
Total Xylenes*	<0.150	0.150	04/26/2025	ND	6.53	109	6.00	1.11		
Total BTEX	<0.300	0.300	04/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/28/2025	ND	432	108	400	3.64		

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	04/25/2025	ND	194	97.1	200	3.92	
DRO >C10-C28*	134	10.0	04/25/2025	ND	179	89.6	200	2.84	
EXT DRO >C28-C36	32.7	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 95.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/24/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 33 0.5' (H252487-09)**

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	04/26/2025	ND	2.29	115	2.00	1.26		
Toluene*	0.105	0.050	04/26/2025	ND	2.28	114	2.00	1.34		
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.22	111	2.00	1.56		
Total Xylenes*	<0.150	0.150	04/26/2025	ND	6.53	109	6.00	1.11		
Total BTEX	<0.300	0.300	04/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/28/2025	ND	432	108	400	3.64		

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	04/25/2025	ND	194	97.1	200	3.92	
DRO >C10-C28*	14.6	10.0	04/25/2025	ND	179	89.6	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 94.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.9 % 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  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/24/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 34 0.5' (H252487-10)**

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	04/26/2025	ND	2.29	115	2.00	1.26		
Toluene*	<0.050	0.050	04/26/2025	ND	2.28	114	2.00	1.34		
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.22	111	2.00	1.56		
Total Xylenes*	<0.150	0.150	04/26/2025	ND	6.53	109	6.00	1.11		
Total BTX	<0.300	0.300	04/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/28/2025	ND	432	108	400	3.64		

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	04/25/2025	ND	194	97.1	200	3.92	
<b>DRO &gt;C10-C28*</b>	<b>15.2</b>	10.0	04/25/2025	ND	179	89.6	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 93.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.6 % 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  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/24/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPI	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 35 0.5' (H252487-11)**

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	04/26/2025	ND	2.29	115	2.00	1.26	
Toluene*	<0.050	0.050	04/26/2025	ND	2.28	114	2.00	1.34	
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.22	111	2.00	1.56	
Total Xylenes*	<0.150	0.150	04/26/2025	ND	6.53	109	6.00	1.11	
Total BTEX	<0.300	0.300	04/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/28/2025	ND	432	108	400	3.64	

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	04/25/2025	ND	194	97.1	200	3.92	
<b>DRO &gt;C10-C28*</b>	<b>23.4</b>	10.0	04/25/2025	ND	179	89.6	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 94.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.5 % 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  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/24/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 36 0.5' (H252487-12)**

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	04/26/2025	ND	2.29	115	2.00	1.26		
Toluene*	<0.050	0.050	04/26/2025	ND	2.28	114	2.00	1.34		
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.22	111	2.00	1.56		
Total Xylenes*	<0.150	0.150	04/26/2025	ND	6.53	109	6.00	1.11		
Total BTEx	<0.300	0.300	04/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/28/2025	ND	432	108	400	3.64		

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	04/25/2025	ND	194	97.1	200	3.92	
<b>DRO &gt;C10-C28*</b>	<b>28.4</b>	10.0	04/25/2025	ND	179	89.6	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 96.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.4 % 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  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/24/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPI	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 37 0.5' (H252487-13)**

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	04/26/2025	ND	2.29	115	2.00	1.26		
Toluene*	<0.050	0.050	04/26/2025	ND	2.28	114	2.00	1.34		
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.22	111	2.00	1.56		
Total Xylenes*	<0.150	0.150	04/26/2025	ND	6.53	109	6.00	1.11		
Total BTX	<0.300	0.300	04/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/28/2025	ND	432	108	400	3.64		

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	04/25/2025	ND	194	97.1	200	3.92	
DRO >C10-C28*	<10.0	10.0	04/25/2025	ND	179	89.6	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 99.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.6 % 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  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/24/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 38 0.5' (H252487-14)**

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	04/26/2025	ND	2.29	115	2.00	1.26		
Toluene*	<0.050	0.050	04/26/2025	ND	2.28	114	2.00	1.34		
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.22	111	2.00	1.56		
Total Xylenes*	<0.150	0.150	04/26/2025	ND	6.53	109	6.00	1.11		
Total BTEx	<0.300	0.300	04/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/28/2025	ND	432	108	400	3.64		

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	04/25/2025	ND	194	97.1	200	3.92	
DRO >C10-C28*	156	10.0	04/25/2025	ND	179	89.6	200	2.84	
EXT DRO >C28-C36	35.1	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 96.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 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  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/24/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 39 0.5' (H252487-15)**

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	04/26/2025	ND	2.29	115	2.00	1.26		
Toluene*	<0.050	0.050	04/26/2025	ND	2.28	114	2.00	1.34		
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.22	111	2.00	1.56		
Total Xylenes*	<0.150	0.150	04/26/2025	ND	6.53	109	6.00	1.11		
Total BTX	<0.300	0.300	04/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/28/2025	ND	432	108	400	3.64		

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	04/25/2025	ND	194	97.1	200	3.92	
DRO >C10-C28*	91.2	10.0	04/25/2025	ND	179	89.6	200	2.84	
EXT DRO >C28-C36	15.3	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 98.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/24/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 40 0.5' (H252487-16)**

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	04/26/2025	ND	2.19	109	2.00	1.53		
Toluene*	<0.050	0.050	04/26/2025	ND	2.18	109	2.00	1.59		
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.11	105	2.00	1.92		
Total Xylenes*	<0.150	0.150	04/26/2025	ND	6.20	103	6.00	1.86		
Total BTEX	<0.300	0.300	04/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/28/2025	ND	432	108	400	3.64		

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	04/25/2025	ND	194	97.1	200	3.92	
DRO >C10-C28*	<10.0	10.0	04/25/2025	ND	179	89.6	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 77.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM, LLC  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/24/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 41 0.5' (H252487-17)**

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	04/26/2025	ND	2.19	109	2.00	1.53		
Toluene*	<0.050	0.050	04/26/2025	ND	2.18	109	2.00	1.59		
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.11	105	2.00	1.92		
Total Xylenes*	<0.150	0.150	04/26/2025	ND	6.20	103	6.00	1.86		
Total BTEX	<0.300	0.300	04/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/28/2025	ND	432	108	400	3.64		

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	04/26/2025	ND	194	97.1	200	3.92	
DRO >C10-C28*	<10.0	10.0	04/26/2025	ND	179	89.6	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	04/26/2025	ND					

Surrogate: 1-Chlorooctane 92.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.2 % 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  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/24/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 42 0.5' (H252487-18)**

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	04/26/2025	ND	2.19	109	2.00	1.53		
Toluene*	<0.050	0.050	04/26/2025	ND	2.18	109	2.00	1.59		
Ethylbenzene*	<0.050	0.050	04/26/2025	ND	2.11	105	2.00	1.92		
Total Xylenes*	<0.150	0.150	04/26/2025	ND	6.20	103	6.00	1.86		
Total BTEX	<0.300	0.300	04/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/28/2025	ND	432	108	400	3.64		

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	04/26/2025	ND	194	97.1	200	3.92	
DRO >C10-C28*	<10.0	10.0	04/26/2025	ND	179	89.6	200	2.84	
EXT DRO >C28-C36	<10.0	10.0	04/26/2025	ND					

Surrogate: 1-Chlorooctane 89.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.9 % 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  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/24/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 43 0.5' (H252487-19)**

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	04/27/2025	ND	2.19	109	2.00	1.53		
Toluene*	<0.050	0.050	04/27/2025	ND	2.18	109	2.00	1.59		
Ethylbenzene*	<0.050	0.050	04/27/2025	ND	2.11	105	2.00	1.92		
Total Xylenes*	<0.150	0.150	04/27/2025	ND	6.20	103	6.00	1.86		
Total BTEX	<0.300	0.300	04/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/28/2025	ND	432	108	400	3.64		

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	04/26/2025	ND	194	97.1	200	3.92	
DRO >C10-C28*	161	10.0	04/26/2025	ND	179	89.6	200	2.84	
EXT DRO >C28-C36	47.8	10.0	04/26/2025	ND					

Surrogate: 1-Chlorooctane 91.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/24/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 44 0.5' (H252487-20)**

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	04/27/2025	ND	2.19	109	2.00	1.53		
Toluene*	<0.050	0.050	04/27/2025	ND	2.18	109	2.00	1.59		
Ethylbenzene*	<0.050	0.050	04/27/2025	ND	2.11	105	2.00	1.92		
Total Xylenes*	<0.150	0.150	04/27/2025	ND	6.20	103	6.00	1.86		
Total BTEX	<0.300	0.300	04/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/28/2025	ND	432	108	400	3.64		

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	04/25/2025	ND	195	97.4	200	4.21	
DRO >C10-C28*	126	10.0	04/25/2025	ND	178	89.0	200	2.16	
EXT DRO >C28-C36	21.3	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 88.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/24/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 45 0.5' (H252487-21)**

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	04/27/2025	ND	2.19	109	2.00	1.53		
Toluene*	<0.050	0.050	04/27/2025	ND	2.18	109	2.00	1.59		
Ethylbenzene*	<0.050	0.050	04/27/2025	ND	2.11	105	2.00	1.92		
Total Xylenes*	<0.150	0.150	04/27/2025	ND	6.20	103	6.00	1.86		
Total BTEX	<0.300	0.300	04/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/28/2025	ND	432	108	400	3.64		

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	04/25/2025	ND	195	97.4	200	4.21	
DRO >C10-C28*	<10.0	10.0	04/25/2025	ND	178	89.0	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 91.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.1 % 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  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/24/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 46 0.5' (H252487-22)**

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	04/27/2025	ND	2.19	109	2.00	1.53		
Toluene*	<0.050	0.050	04/27/2025	ND	2.18	109	2.00	1.59		
Ethylbenzene*	<0.050	0.050	04/27/2025	ND	2.11	105	2.00	1.92		
Total Xylenes*	<0.150	0.150	04/27/2025	ND	6.20	103	6.00	1.86		
Total BTX	<0.300	0.300	04/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/28/2025	ND	432	108	400	3.64		

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	04/25/2025	ND	195	97.4	200	4.21	
DRO >C10-C28*	<10.0	10.0	04/25/2025	ND	178	89.0	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 91.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/24/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 47 0.5' (H252487-23)**

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	04/27/2025	ND	2.19	109	2.00	1.53		
Toluene*	<0.050	0.050	04/27/2025	ND	2.18	109	2.00	1.59		
Ethylbenzene*	<0.050	0.050	04/27/2025	ND	2.11	105	2.00	1.92		
Total Xylenes*	<0.150	0.150	04/27/2025	ND	6.20	103	6.00	1.86		
Total BTEX	<0.300	0.300	04/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/28/2025	ND	432	108	400	3.64		

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	04/25/2025	ND	195	97.4	200	4.21	
DRO >C10-C28*	109	10.0	04/25/2025	ND	178	89.0	200	2.16	
EXT DRO >C28-C36	15.4	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 85.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 TRACY HILLARD  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/24/2025	Sampling Date:	04/24/2025
Reported:	04/30/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPII	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 17 0.5' (H252487-24)**

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	04/27/2025	ND	2.19	109	2.00	1.53		
Toluene*	<0.050	0.050	04/27/2025	ND	2.18	109	2.00	1.59		
Ethylbenzene*	<0.050	0.050	04/27/2025	ND	2.11	105	2.00	1.92		
Total Xylenes*	<0.150	0.150	04/27/2025	ND	6.20	103	6.00	1.86		
Total BTEx	<0.300	0.300	04/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/28/2025	ND	432	108	400	3.64		

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	04/25/2025	ND	195	97.4	200	4.21	
DRO >C10-C28*	137	10.0	04/25/2025	ND	178	89.0	200	2.16	
EXT DRO >C28-C36	25.6	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 84.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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".

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

3

[illegible]





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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2  
1  
3

[illegible]





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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3-3

Company Name: Ensolum, LLC

Project Manager: Tracy H. Werder

Address: 601 N Marientfeld Street, Suite 400

City: Midland State: TX Zip: 79701

Phone #: 575 937 3906 Fax #:

Project #: 03C1558659 Project Owner: XTO Energy

Project Name: PLU By Sinks 03-25-31 Better - SPILLS

Project Location: 32-164 PA1, -103.778 Y24

Sampler Name: Uriel Santillana

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	OTHER :			ACID/BASE:	ICE / COOL	OTHER :
H652487	CS45	0.5'	C	1	X							1120	X	X	X
	CS46		C	1	X							1117	X	X	X
	CS47		C	1	X							1120	X	X	X
	CS17		C	1	X							1123	X	X	X

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Relinquished By:

Date: 4/24/25

Received By:

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

All Results are emailed. Please provide Email address:

REMARKS: Incident Number: 44892510 5312 59

Relinquished By:

Date: 4/24/25

Received By:

Turnaround Time: Standard ☒ Rush ☐

Thermometer ID: 4137110

Correction Factor: 0.5C / 0.3C

Delivered By: (Circle One)

Observed Temp.: 34.1

Corrected Temp.: 33.7

Sample Condition

CHECKED BY: (Initials)

Bacteria (only) Sample Condition

Corrected Temp.: 33.7

Corrected Temp.: 33.7

FORM 1000-R-3-2-10/07/21

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



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

---

May 23, 2025

BEN BELILL  
ENSOLUM, LLC  
705 W WADLEY AVE.  
MIDLAND, TX 79705

RE: PLU BS 03-25-31 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/22/25 14:00.

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, flowing style.

Celey D. Keene  
Lab Director/Quality Manager



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

**Analytical Results For:**

ENSOLUM, LLC  
 BEN BELILL  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 05/22/2025  
 Reported: 05/23/2025  
 Project Name: PLU BS 03-25-31 BATTERY  
 Project Number: 03C1558659  
 Project Location: XTO 32.164891, -103.778424

Sampling Date: 05/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS 39 A 1' (H253082-01)**

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	05/22/2025	ND	2.14	107	2.00	2.46	
Toluene*	<0.050	0.050	05/22/2025	ND	2.24	112	2.00	2.58	
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.04	102	2.00	2.12	
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.05	101	6.00	1.45	
Total BTEX	<0.300	0.300	05/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/23/2025	ND	416	104	400	3.92		

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	05/22/2025	ND	185	92.6	200	0.540	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	182	90.9	200	5.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 91.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.2 % 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  
 BEN BELILL  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 05/22/2025  
 Reported: 05/23/2025  
 Project Name: PLU BS 03-25-31 BATTERY  
 Project Number: 03C1558659  
 Project Location: XTO 32.164891, -103.778424

Sampling Date: 05/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS 43 A 1' (H253082-02)**

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	05/22/2025	ND	2.14	107	2.00	2.46		
Toluene*	<0.050	0.050	05/22/2025	ND	2.24	112	2.00	2.58		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.04	102	2.00	2.12		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.05	101	6.00	1.45		
Total BTEx	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/23/2025	ND	416	104	400	3.92		

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	05/22/2025	ND	185	92.6	200	0.540	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	182	90.9	200	5.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 98.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 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  
 BEN BELILL  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 05/22/2025  
 Reported: 05/23/2025  
 Project Name: PLU BS 03-25-31 BATTERY  
 Project Number: 03C1558659  
 Project Location: XTO 32.164891, -103.778424

Sampling Date: 05/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS 44 A 1' (H253082-03)**

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	05/22/2025	ND	2.14	107	2.00	2.46		
Toluene*	<0.050	0.050	05/22/2025	ND	2.24	112	2.00	2.58		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.04	102	2.00	2.12		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.05	101	6.00	1.45		
Total BTEX	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/23/2025	ND	416	104	400	3.92	

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	05/22/2025	ND	185	92.6	200	0.540	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	182	90.9	200	5.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 99.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 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  
 BEN BELILL  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 05/22/2025  
 Reported: 05/23/2025  
 Project Name: PLU BS 03-25-31 BATTERY  
 Project Number: 03C1558659  
 Project Location: XTO 32.164891, -103.778424

Sampling Date: 05/21/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS 38 A 1' (H253082-04)**

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	05/22/2025	ND	2.14	107	2.00	2.46		
Toluene*	<0.050	0.050	05/22/2025	ND	2.24	112	2.00	2.58		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.04	102	2.00	2.12		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.05	101	6.00	1.45		
Total BTEx	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/23/2025	ND	416	104	400	3.92		

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	05/22/2025	ND	222	111	200	3.69	
<b>DRO &gt;C10-C28*</b>	<b>21.6</b>	10.0	05/22/2025	ND	218	109	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 93.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.3 % 40.6-153

Cardinal Laboratories

\*=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".

---

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

[illegible]



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

June 12, 2025

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: PLU BIG SINKS 03-25-31 BATTERY - SPILLS

Enclosed are the results of analyses for samples received by the laboratory on 06/09/25 12:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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, flowing style.

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPI	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 11A 1' (H253422-01)**

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	06/09/2025	ND	2.05	103	2.00	12.0	
Toluene*	<0.050	0.050	06/09/2025	ND	2.10	105	2.00	5.57	
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	2.03	102	2.00	1.06	
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.31	105	6.00	0.312	
Total BTX	<0.300	0.300	06/09/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/10/2025	ND	432	108	400	3.64		

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	06/09/2025	ND	178	89.1	200	2.54	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane 92.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.1 % 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  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPI	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 06A 1' (H253422-02)**

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	06/10/2025	ND	1.62	81.0	2.00	7.24		
Toluene*	<0.050	0.050	06/10/2025	ND	1.69	84.3	2.00	6.36		
Ethylbenzene*	<0.050	0.050	06/10/2025	ND	1.73	86.3	2.00	5.45		
Total Xylenes*	<0.150	0.150	06/10/2025	ND	5.34	88.9	6.00	5.31		
Total BTEX	<0.300	0.300	06/10/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/10/2025	ND	432	108	400	3.64		

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	06/09/2025	ND	178	89.1	200	2.54	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane 96.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.3 % 40.6-153

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPI	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: SW 01 0-1' (H253422-03)**

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	06/10/2025	ND	1.62	81.0	2.00	7.24		
Toluene*	<0.050	0.050	06/10/2025	ND	1.69	84.3	2.00	6.36		
Ethylbenzene*	<0.050	0.050	06/10/2025	ND	1.73	86.3	2.00	5.45		
Total Xylenes*	<0.150	0.150	06/10/2025	ND	5.34	88.9	6.00	5.31		
Total BTEX	<0.300	0.300	06/10/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/10/2025	ND	432	108	400	3.64		

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	06/09/2025	ND	178	89.1	200	2.54	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.7 % 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  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPI	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 16A 1' (H253422-04)**

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	06/10/2025	ND	1.62	81.0	2.00	7.24		
Toluene*	<0.050	0.050	06/10/2025	ND	1.69	84.3	2.00	6.36		
Ethylbenzene*	<0.050	0.050	06/10/2025	ND	1.73	86.3	2.00	5.45		
Total Xylenes*	<0.150	0.150	06/10/2025	ND	5.34	88.9	6.00	5.31		
Total BTEX	<0.300	0.300	06/10/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/10/2025	ND	432	108	400	3.64		

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	06/09/2025	ND	178	89.1	200	2.54	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane 89.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPI	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 17A 1' (H253422-05)**

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	06/10/2025	ND	1.62	81.0	2.00	7.24		
Toluene*	<0.050	0.050	06/10/2025	ND	1.69	84.3	2.00	6.36		
Ethylbenzene*	<0.050	0.050	06/10/2025	ND	1.73	86.3	2.00	5.45		
Total Xylenes*	<0.150	0.150	06/10/2025	ND	5.34	88.9	6.00	5.31		
Total BTEX	<0.300	0.300	06/10/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/10/2025	ND	432	108	400	3.64		

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	06/09/2025	ND	178	89.1	200	2.54	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane 97.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPI	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: SW 02 0-1' (H253422-06)**

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	06/10/2025	ND	1.62	81.0	2.00	7.24		
Toluene*	<0.050	0.050	06/10/2025	ND	1.69	84.3	2.00	6.36		
Ethylbenzene*	<0.050	0.050	06/10/2025	ND	1.73	86.3	2.00	5.45		
Total Xylenes*	<0.150	0.150	06/10/2025	ND	5.34	88.9	6.00	5.31		
Total BTX	<0.300	0.300	06/10/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/10/2025	ND	432	108	400	3.64		

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	06/09/2025	ND	178	89.1	200	2.54	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane 100 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPI	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 03A 1' (H253422-07)**

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	06/10/2025	ND	1.62	81.0	2.00	7.24		
Toluene*	<0.050	0.050	06/10/2025	ND	1.69	84.3	2.00	6.36		
Ethylbenzene*	<0.050	0.050	06/10/2025	ND	1.73	86.3	2.00	5.45		
Total Xylenes*	<0.150	0.150	06/10/2025	ND	5.34	88.9	6.00	5.31		
Total BTEX	<0.300	0.300	06/10/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/10/2025	ND	432	108	400	3.64		

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	06/09/2025	ND	178	89.1	200	2.54	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane 99.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPI	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: SW 03 0-1' (H253422-08)**

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	06/10/2025	ND	1.62	81.0	2.00	7.24		
Toluene*	<0.050	0.050	06/10/2025	ND	1.69	84.3	2.00	6.36		
Ethylbenzene*	<0.050	0.050	06/10/2025	ND	1.73	86.3	2.00	5.45		
Total Xylenes*	<0.150	0.150	06/10/2025	ND	5.34	88.9	6.00	5.31		
Total BTEX	<0.300	0.300	06/10/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/10/2025	ND	432	108	400	3.64		

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	06/09/2025	ND	178	89.1	200	2.54	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane 95.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPI	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 19A 1' (H253422-09)**

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	06/10/2025	ND	1.62	81.0	2.00	7.24		
Toluene*	<0.050	0.050	06/10/2025	ND	1.69	84.3	2.00	6.36		
Ethylbenzene*	<0.050	0.050	06/10/2025	ND	1.73	86.3	2.00	5.45		
Total Xylenes*	<0.150	0.150	06/10/2025	ND	5.34	88.9	6.00	5.31		
Total BTEX	<0.300	0.300	06/10/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/10/2025	ND	432	108	400	3.64		

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	06/09/2025	ND	178	89.1	200	2.54	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPI	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: SW 04 0-1' (H253422-10)**

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	06/10/2025	ND	1.62	81.0	2.00	7.24		
Toluene*	<0.050	0.050	06/10/2025	ND	1.69	84.3	2.00	6.36		
Ethylbenzene*	<0.050	0.050	06/10/2025	ND	1.73	86.3	2.00	5.45		
Total Xylenes*	<0.150	0.150	06/10/2025	ND	5.34	88.9	6.00	5.31		
Total BTEX	<0.300	0.300	06/10/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/10/2025	ND	432	108	400	3.64		

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	06/09/2025	ND	178	89.1	200	2.54	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	06/09/2025	Sampling Date:	06/05/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPI	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 24A 1' (H253422-11)**

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	06/10/2025	ND	1.62	81.0	2.00	7.24		
Toluene*	<0.050	0.050	06/10/2025	ND	1.69	84.3	2.00	6.36		
Ethylbenzene*	<0.050	0.050	06/10/2025	ND	1.73	86.3	2.00	5.45		
Total Xylenes*	<0.150	0.150	06/10/2025	ND	5.34	88.9	6.00	5.31		
Total BTEX	<0.300	0.300	06/10/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/10/2025	ND	432	108	400	3.64		

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	06/09/2025	ND	178	89.1	200	2.54	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	194	97.2	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane 81.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.3 % 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  
 TRACY HILLARD  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received:	06/09/2025	Sampling Date:	06/06/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPI	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 30A 1' (H253422-12)**

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	06/10/2025	ND	1.62	81.0	2.00	7.24	
Toluene*	<0.050	0.050	06/10/2025	ND	1.69	84.3	2.00	6.36	
Ethylbenzene*	<0.050	0.050	06/10/2025	ND	1.73	86.3	2.00	5.45	
Total Xylenes*	<0.150	0.150	06/10/2025	ND	5.34	88.9	6.00	5.31	
Total BTEX	<0.300	0.300	06/10/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/10/2025	ND	432	108	400	3.64	

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	06/10/2025	ND	220	110	200	0.975	
DRO >C10-C28*	<10.0	10.0	06/10/2025	ND	187	93.4	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	06/10/2025	ND					

Surrogate: 1-Chlorooctane 91.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	06/09/2025	Sampling Date:	06/06/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPI	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 31A 1' (H253422-13)**

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	06/10/2025	ND	1.62	81.0	2.00	7.24		
Toluene*	<0.050	0.050	06/10/2025	ND	1.69	84.3	2.00	6.36		
Ethylbenzene*	<0.050	0.050	06/10/2025	ND	1.73	86.3	2.00	5.45		
Total Xylenes*	<0.150	0.150	06/10/2025	ND	5.34	88.9	6.00	5.31		
Total BTEX	<0.300	0.300	06/10/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/10/2025	ND	432	108	400	3.64		

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	06/10/2025	ND	220	110	200	0.975	
DRO >C10-C28*	<10.0	10.0	06/10/2025	ND	187	93.4	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	06/10/2025	ND					

Surrogate: 1-Chlorooctane 85.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	06/09/2025	Sampling Date:	06/06/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPI	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 32A 1' (H253422-14)**

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	06/10/2025	ND	1.62	81.0	2.00	7.24		
Toluene*	<0.050	0.050	06/10/2025	ND	1.69	84.3	2.00	6.36		
Ethylbenzene*	<0.050	0.050	06/10/2025	ND	1.73	86.3	2.00	5.45		
Total Xylenes*	<0.150	0.150	06/10/2025	ND	5.34	88.9	6.00	5.31		
Total BTEX	<0.300	0.300	06/10/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/10/2025	ND	432	108	400	3.64		

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	06/10/2025	ND	220	110	200	0.975	
DRO >C10-C28*	<10.0	10.0	06/10/2025	ND	187	93.4	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	06/10/2025	ND					

Surrogate: 1-Chlorooctane 91.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	06/09/2025	Sampling Date:	06/06/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPI	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 47A 1' (H253422-15)**

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	06/10/2025	ND	1.62	81.0	2.00	7.24		
Toluene*	<0.050	0.050	06/10/2025	ND	1.69	84.3	2.00	6.36		
Ethylbenzene*	<0.050	0.050	06/10/2025	ND	1.73	86.3	2.00	5.45		
Total Xylenes*	<0.150	0.150	06/10/2025	ND	5.34	88.9	6.00	5.31		
Total BTEX	<0.300	0.300	06/10/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/10/2025	ND	432	108	400	3.64		

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	06/10/2025	ND	220	110	200	0.975	
DRO >C10-C28*	<10.0	10.0	06/10/2025	ND	187	93.4	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	06/10/2025	ND					

Surrogate: 1-Chlorooctane 86.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.2 % 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  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	06/09/2025	Sampling Date:	06/06/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPI	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: SW 05 0-1' (H253422-16)**

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	06/10/2025	ND	1.62	81.0	2.00	7.24		
Toluene*	<0.050	0.050	06/10/2025	ND	1.69	84.3	2.00	6.36		
Ethylbenzene*	<0.050	0.050	06/10/2025	ND	1.73	86.3	2.00	5.45		
Total Xylenes*	<0.150	0.150	06/10/2025	ND	5.34	88.9	6.00	5.31		
Total BTEX	<0.300	0.300	06/10/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/10/2025	ND	432	108	400	3.64		

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	06/10/2025	ND	220	110	200	0.975	
DRO >C10-C28*	<10.0	10.0	06/10/2025	ND	187	93.4	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	06/10/2025	ND					

Surrogate: 1-Chlorooctane 83.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	06/09/2025	Sampling Date:	06/06/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPI	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: CS 28A 1' (H253422-17)**

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	06/10/2025	ND	1.62	81.0	2.00	7.24		
Toluene*	<0.050	0.050	06/10/2025	ND	1.69	84.3	2.00	6.36		
Ethylbenzene*	<0.050	0.050	06/10/2025	ND	1.73	86.3	2.00	5.45		
Total Xylenes*	<0.150	0.150	06/10/2025	ND	5.34	88.9	6.00	5.31		
Total BTEX	<0.300	0.300	06/10/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/10/2025	ND	432	108	400	3.64		

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	06/10/2025	ND	220	110	200	0.975	
DRO >C10-C28*	<10.0	10.0	06/10/2025	ND	187	93.4	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	06/10/2025	ND					

Surrogate: 1-Chlorooctane 85.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	06/09/2025	Sampling Date:	06/06/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 03-25-31 BATTERY - SPI	Sampling Condition:	Cool & Intact
Project Number:	03C1558659	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.164891, -103.778424		

**Sample ID: SW 06 0-1' (H253422-18)**

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	06/10/2025	ND	1.62	81.0	2.00	7.24		
Toluene*	<0.050	0.050	06/10/2025	ND	1.69	84.3	2.00	6.36		
Ethylbenzene*	<0.050	0.050	06/10/2025	ND	1.73	86.3	2.00	5.45		
Total Xylenes*	<0.150	0.150	06/10/2025	ND	5.34	88.9	6.00	5.31		
Total BTEX	<0.300	0.300	06/10/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/10/2025	ND	400	100	400	3.92		

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	06/10/2025	ND	220	110	200	0.975	
DRO >C10-C28*	<10.0	10.0	06/10/2025	ND	187	93.4	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	06/10/2025	ND					

Surrogate: 1-Chlorooctane 81.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.1 % 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".

---

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

<b>Company Name:</b> Ensolum, LLC <b>Project Manager:</b> Tracy Hillard <b>Address:</b> 3122 National Parks Hwy <b>City:</b> Carlsbad <b>Phone #:</b> 337 257-8307 <b>State:</b> NM <b>Zip:</b> 88220 <b>Project #:</b> 03C1558659 <b>Project Owner:</b> XTO <b>Project Name:</b> PLU Big Sinks 03-25-31 Battery - Spill <b>Project Location:</b> <b>Sample Name:</b> Connor Whitman <b>FOR LAB USE ONLY</b>				<b>P.O. #:</b> <b>Company:</b> XTO Energy Inc. <b>Attn:</b> Colton Brown <b>Address:</b> 3104 E. Green St. <b>City:</b> Carlsbad <b>State:</b> NM <b>Zip:</b> 88220 <b>Phone #:</b> <b>Fax #:</b>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>											
<b>Lab I.D.</b> HS3422		<b>Sample I.D.</b>		<b>Sample Depth (feet)</b>		<b>(G)RAB OR (C)OMP.</b>		<b># CONTAINERS</b>		<b>MATRIX</b> <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER :		<b>PRESERV.</b> <input checked="" type="checkbox"/> ACID/BASE <input type="checkbox"/> ICE / COOL <input type="checkbox"/> OTHER :		<b>SAMPLING</b> <b>DATE</b>		<b>TIME</b>		<b>BTEX</b>		<b>TPH</b>		<b>CHLORIDE</b>	
1	CS11A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	CS06A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	SW01	0-1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	CS16A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	CS17A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	SW02	0-1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	CS03A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	SW03	0-1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	CS19A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	SW04	0-1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

PLEASE NOTE: Liability and Damages: Cardruth's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardruth within 30 days after completion of the applicable services. In no event shall Cardruth be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardruth, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

<b>Relinquished By:</b> <i>CH</i> <b>Date:</b> 6-9-25 <b>Received By:</b> <i>Tracy Hillard</i> <b>Date:</b> 6-9-25 <b>Received By:</b> <i>Tracy Hillard</i>				<b>Verbal Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: <b>All Results are emailed. Please provide Email address:</b> <i>THillard@ensolum.com, TMorrissey@ensolum.com, kthomason@ensolum.com</i>			
<b>Relinquished By:</b> <b>Date:</b> <b>Received By:</b>				<b>REMARKS:</b> Cost Center: 1081021001 Incident ID: NAPP2510531259 GFCM: 48605000			
<b>Delivered By: (Circle One)</b> Sample - UPS - Bus - Other:				<b>Turnaround Time:</b> Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> <b>Thermometer ID:</b> <i>113</i> <i>4140</i> <b>Correction Factor:</b> <i>0.30</i> <i>40.64/25</i>			
<b>Observed Temp.: °C</b> <i>22</i> <b>Corrected Temp.: °C</b> <i>25</i>				<b>Sample Condition</b> Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No			
<b>Observed Temp.: °C</b> <i>22</i> <b>Corrected Temp.: °C</b> <i>25</i>				<b>Sample Condition</b> Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No			

\* Cardinal cannot accept verbal changes. Please email changes to [celey.keene@cardinalnlabnm.com](mailto:celey.keene@cardinalnlabnm.com)





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(575) 393-2326 FAX (575) 393-2476

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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[illegible]

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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS

Action 484101

**QUESTIONS**

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 484101
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2510531259
Incident Name	NAPP2510531259 PLU BS 3-25-31 BATTERY @ 0
Incident Type	Fire
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2126356522] PLU BIG SINKS 3 25 31 BATT

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

Site Name	PLU BS 3-25-31 BATTERY
Date Release Discovered	04/14/2025
Surface Owner	Federal

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

Incident Type	Fire
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: Fire   Other (Specify)   Crude Oil   Released: 3 BBL   Recovered: 0 BBL   Lost: 3 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)	Overflow from the flare

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QUESTIONS, Page 2

Action 484101

**QUESTIONS (continued)**

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 484101
	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)	More info needed to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	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.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

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

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

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

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

I hereby agree and sign off to the above statement	Name: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 07/11/2025
--	--

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QUESTIONS, Page 3

Action 484101

**QUESTIONS (continued)**

Operator:  XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:  5380
	Action Number:  484101
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Site Characterization</b>	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (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	Greater than 5 (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 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 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

<b>Remediation Plan</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	272
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	93.7
GRO+DRO (EPA SW-846 Method 8015M)	72.1
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	04/14/2025
On what date will (or did) the final sampling or liner inspection occur	06/06/2025
On what date will (or was) the remediation complete(d)	06/06/2025
What is the estimated surface area (in square feet) that will be reclaimed	2460
What is the estimated volume (in cubic yards) that will be reclaimed	95
What is the estimated surface area (in square feet) that will be remediated	2460
What is the estimated volume (in cubic yards) that will be remediated	95
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	



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QUESTIONS, Page 4

Action 484101

**QUESTIONS (continued)**

Operator:  XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:  5380
	Action Number:  484101
	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: 07/11/2025
<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 484101

QUESTIONS (continued)

Operator:  XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:  5380
	Action Number:  484101
	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 484101

**QUESTIONS (continued)**

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 484101
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	468168
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/06/2025
What was the (estimated) number of samples that were to be gathered	51
What was the sampling surface area in square feet	10200

**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	2460
What was the total volume (cubic yards) remediated	95
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	2460
What was the total volume (in cubic yards) reclaimed	95
Summarize any additional remediation activities not included by answers (above)	Site assessment, delineation and excavation activities were conducted at the Site to address the April 14, 2025, flare fire and crude oil release. Laboratory analytical results for all confirmation soil samples collected from the release extent and final excavation extents indicated that all COC concentrations were compliant with the Closure Criteria and reclamation requirements. Based on the soil sample analytical results, no further remediation was required. The excavation will be backfilled with material purchased locally and the Site recontoured to match pre-existing Site conditions.

*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: 07/11/2025
--	--

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QUESTIONS, Page 7

Action 484101

QUESTIONS (continued)

Operator:  XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:  5380
	Action Number:  484101
	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 484101

CONDITIONS

Operator:  XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:  5380
	Action Number:  484101
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	8/27/2025