

Location:	PLU 16 TWR CVB	
Spill Date:	6/26/2025	
Incident #:	nAPP2517830574	
Area 1		
Approximate Area =	4280	sq. ft.
Average Saturation (or depth) of spill =	0.50	inches
Average Porosity Factor =	0.15	
VOLUME OF LEAK		
Total Crude Oil =		bbls
Total Produced Water =	8.00	bbls
Area 2		
Approximate Area =		sq. ft.
Average Saturation (or depth) of spill =		inches
VOLUME OF LEAK		
Total Crude Oil =		bbls
Total Produced Water =		bbls
TOTAL VOLUME OF LEAK		
Total Crude Oil =		bbls
Total Produced Water =	8.0	bbls
TOTAL VOLUME RECOVERED		
Total Crude Oil =		bbls
Total Produced Water =	3	bbls



September 24, 2025

New Mexico Oil Conservation Division

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

**Re: Closure Request
PLU 16 TWR CVB
Incident Number nAPP2517830574
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared the following *Closure Request* to document surface scraping and soil sampling activities completed at the PLU 16 TWR CVB (Site). The purpose of the surface scraping and soil sampling activities was to assess the presence or absence of impacts to soil resulting from a release of produced water at the Site. Based on the surface scraping activities and laboratory analytical results from the soil sampling events, XTO is submitting this *Closure Request*, and requesting no further remediation for Incident Number nAPP2517830574.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit C and D, Section 21, Township 24 South, Range 31 East, in Eddy County, New Mexico (32.208979°, -103.786926°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On June 26, 2025, corrosion on a 4-inch water line resulted in the release of 8 barrels (bbls) of produced water. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; approximately 3 bbls of fluid were recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) via Notification of Release (NOR) and Initial C-141 Application (C-141) on June 27, 2025. The release was assigned Incident Number nAPP2517830574.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

Depth to groundwater at the Site is greater than 100 feet below ground surface (bgs) based on a permitted New Mexico Office of the State Engineer (NMOSE) soil boring (C-4499) located approximately 0.49 miles to the southwest of the Site. The soil boring was drilled to a depth of 110 feet bgs. The referenced Well Record & Log is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is seasonal dry wash approximately 10,440 feet northwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area).

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

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

SITE ASSESSMENT AND SAMPLING ACTIVITIES

On June 30, 2025, Ensolum personnel visited the Site to evaluate the release extent based on information provided on C-141 and visual observations. Ten delineation soil samples (SS01 through SS10) were collected within and around the release extent from surface. The delineation soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing Hach® chloride QuanTab® test strips. The release extent and delineation soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted in Figure 2. Photographic documentation was completed during the site visit, and a photographic log is included in Appendix B.

The delineation 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 (COC): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standard Method 4500.

Laboratory analytical results for delineation soil samples, SS09 and SS10, were in compliance with Closure Criteria. Delineation soil samples SS01 through SS08, collected from around the release, were in compliance with strictest Table I Closure Criteria, successfully defining the lateral extent of the release.

SURFACE SCRAPING AND SOIL SAMPLING ACTIVITIES

On July 17 and July 18, 2025, Ensolum personnel returned to the Site to oversee surface scraping activities. Visible staining was scraped from the pad surface to a depth of approximately 0.25 feet bgs utilizing hand shovels due to the presence of active production pipelines and equipment. Following surface scraping activities, twenty-one 5-point composite soil samples were collected representing no more than 200 square feet of the release extent. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples CS01 through CS21 were collected from the pad

XTO Energy, Inc
Closure Request
PLU 16 TWR CVB



surface from a depth of 0.25 feet bgs. The soil samples were collected, handled, and analyzed following the same procedures as described above. The surface scrape extent and confirmation soil sample locations are presented in Figure 3. Photographic documentation of the excavation activities is included in Appendix B.

The surface scrape extent measured approximately 4,200 square feet. A total of approximately 39 cubic yards of waste-containing soil were removed during the surface scraping activities. The waste-containing soil was transported and properly disposed of at the R360 Disposal Facility in Hobbs, New Mexico. A maximum of approximately 622 cubic yards of waste-containing soil remains in place until pad abandonment and/or reclamation of the facility.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for confirmation soil samples CS01 through CS21 indicated that all COCs were in compliance with Closure Criteria, and no further remediation was warranted. The laboratory analytical results are summarized on Table 1, and the complete laboratory analytical reports are included in Appendix C.

CLOSURE REQUEST

Surface scraping and soil sampling activities were conducted at the Site to address the release of produced water. Laboratory analytical results for the final confirmation soil samples indicated all COCs were in compliance with Closure Criteria. Based on the soil sample laboratory analytical results, no further remediation is warranted.

Depth to groundwater is estimated to be greater than 100 feet bgs and no sensitive receptors were identified near the Site. XTO believes these remedial actions are protective of human health, the environment, and groundwater and respectfully requests closure for Incident Number nAPP2517830574.

If you have any questions or comments, please contact Ms. Tacoma Morrissey at (337) 257-8307 or 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 "Ashley L. Ager".

Ashley L. Ager, M.S., P.G.
Program Director

cc: Colton Brown, XTO
Kaylan Dirkx, XTO
Bureau of Land Management

XTO Energy, Inc
Closure Request
PLU 16 TWR CVB



Appendices:

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



FIGURES

Legend

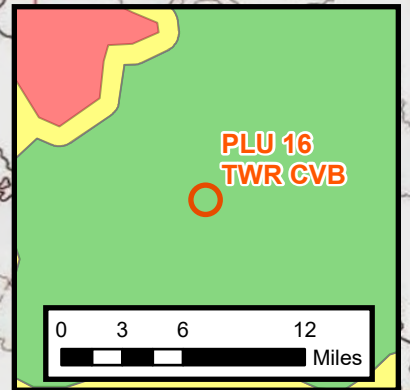
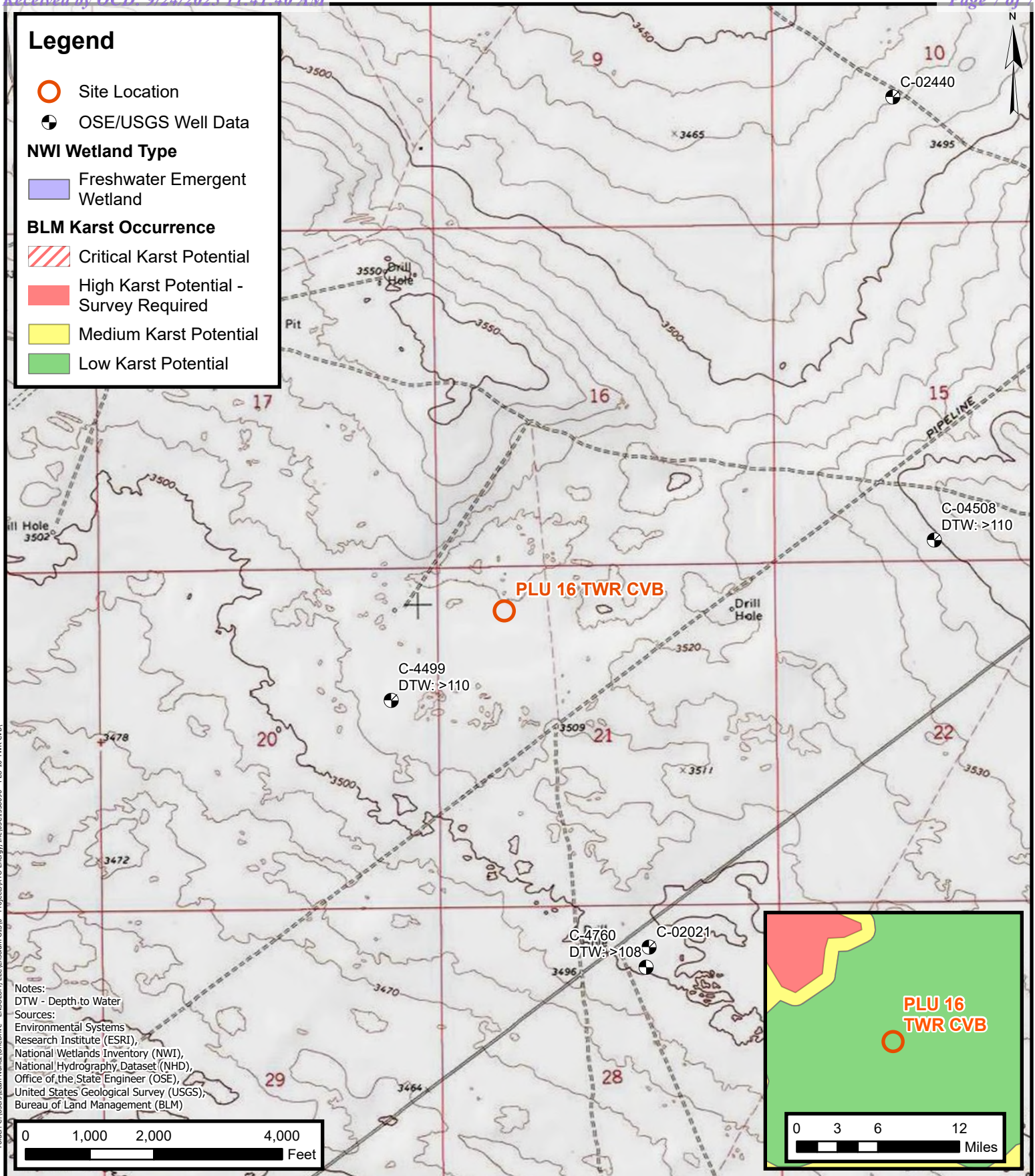
- Site Location
- OSE/USGS Well Data

NWI Wetland Type

- Freshwater Emergent Wetland

BLM Karst Occurrence

- Critical Karst Potential
- High Karst Potential - Survey Required
- Medium Karst Potential
- Low Karst Potential

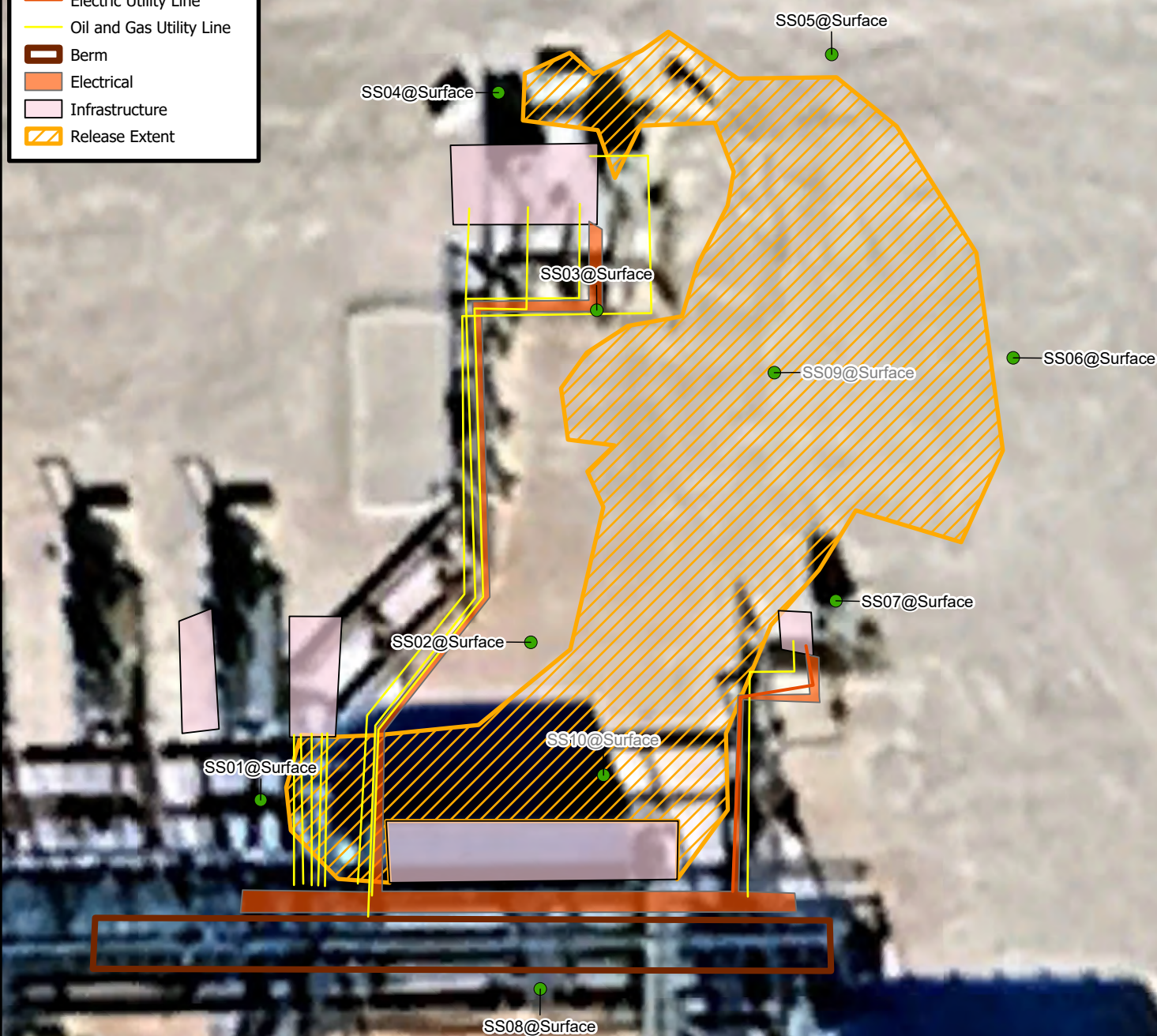
**Site Receptor Map**

XTO Energy, Inc
PLU 16 TWR CVB
Incident Number: nAPP2517830574
Unit C and D, Sec 21, T24S, R21E
Eddy County, New Mexico

FIGURE**1**

Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Electric Utility Line
- Oil and Gas Utility Line
- ▭ Berm
- ▭ Electrical
- ▭ Infrastructure
- ▨ Release Extent



Notes:
 Sample ID @ Depth Below Ground Surface.
 Grey text indicates soil sample removed during excavation activities.

0 10 20 40
 Feet

Sources: Environmental Systems Research Institute (ESRI)



Delineation Soil Sample Locations

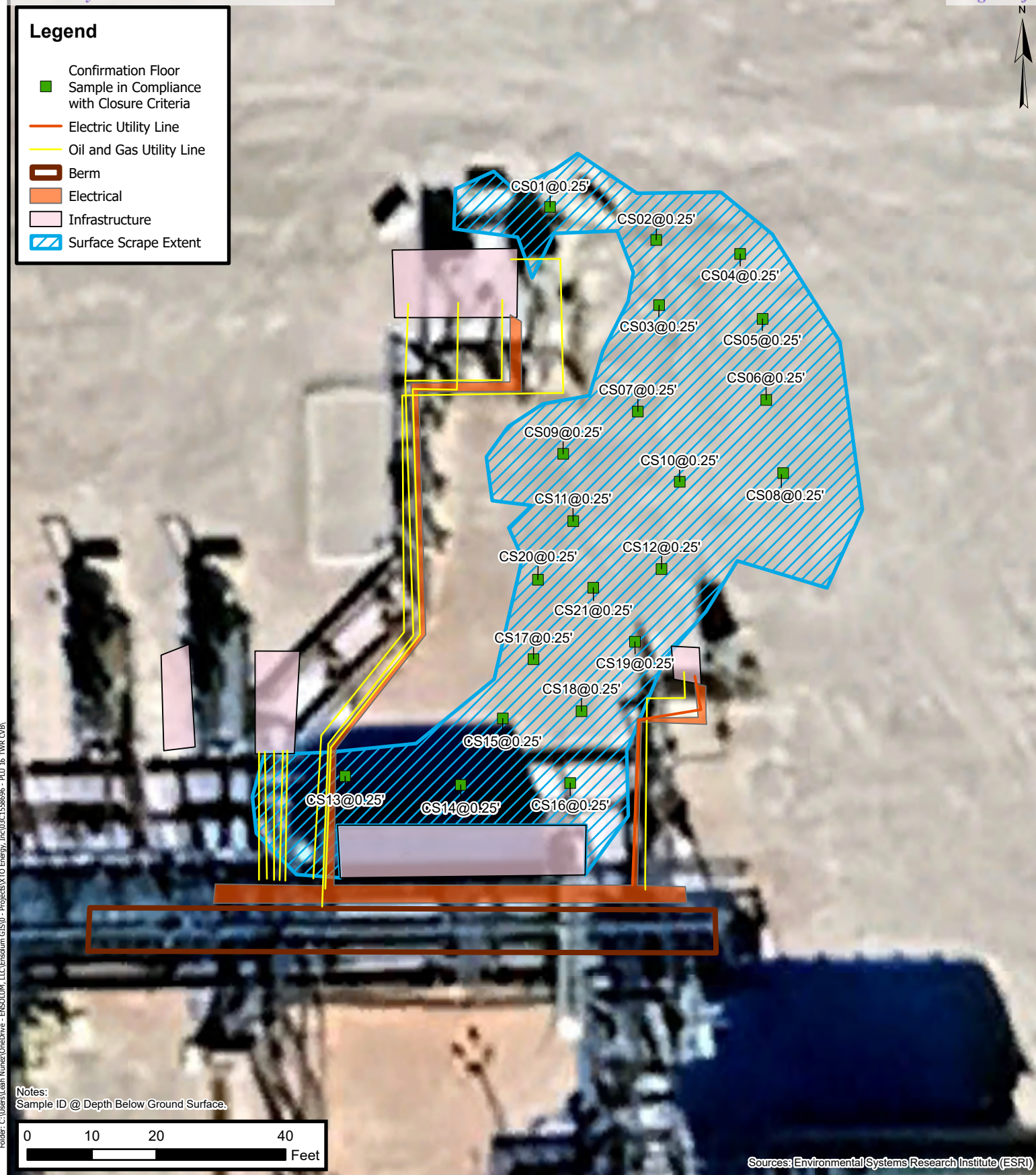
XTO Energy, Inc
 PLU 16 TWR CVB
 Incident Number: nAPP2517830574
 Unit C and D, Sec 21, T24S, R21E
 Eddy County, New Mexico

FIGURE

2

Legend

- Confirmation Floor Sample in Compliance with Closure Criteria
- Electric Utility Line
- Oil and Gas Utility Line
- Berm
- Electrical
- Infrastructure
- Surface Scrape Extent



Notes:
Sample ID @ Depth Below Ground Surface.

0 10 20 40
Feet

Sources: Environmental Systems Research Institute (ESRI)



Confirmation Soil Sample Locations

XTO Energy, Inc
PLU 16 TWR CVB
Incident Number: nAPP2517830574
Unit C and D, Sec 21, T24S, R21E
Eddy County, New Mexico

FIGURE

3



TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
PLU 16 TWR CVB
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
Delineation Soil Samples										
SS01	06/30/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS02	06/30/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS03	06/30/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS04	06/30/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS05	06/30/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
SS06	06/30/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS07	06/30/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SS08	06/30/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS09	06/30/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,500
SS10	06/30/2025	Surface	<0.050	<0.300	<10.0	17.5	<10.0	17.5	17.5	6,720
Confirmation Soil Samples										
CS01	07/17/2025	0.25'	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
CS02	07/17/2025	0.25'	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
CS03	07/17/2025	0.25'	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
CS04	07/17/2025	0.25'	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
CS05	07/17/2025	0.25'	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
CS06	07/17/2025	0.25'	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
CS07	07/17/2025	0.25'	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,040
CS08	07/17/2025	0.25'	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,960
CS09	07/17/2025	0.25'	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9,840
CS10	07/17/2025	0.25'	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,870
CS11	07/17/2025	0.25'	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,080
CS12	07/17/2025	0.25'	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,000
CS13	07/18/2025	0.25'	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,600
CS14	07/18/2025	0.25'	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,880
CS15	07/18/2025	0.25'	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,200
CS16	07/18/2025	0.25'	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,720
CS17	07/18/2025	0.25'	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,000
CS18	07/18/2025	0.25'	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,600
CS19	07/18/2025	0.25'	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,280



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
PLU 16 TWR CVB
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
CS20	07/18/2025	0.25'	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,280
CS21	07/18/2025	0.25'	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,600

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation requirement where applicable.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code

Grey text indicates soil sample removed during excavation activities



APPENDIX A

Referenced Well Records



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1 (MW-1)		WELL TAG ID NO. n/a		OSE FILE NO(S). C-4499			
	WELL OWNER NAME(S) XTO Energy (Kyle Littrell)				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 6401 Holiday Hill Dr.				CITY Midland	STATE TX	ZIP 79707	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32°	MINUTES 12'	SECONDS 15.89" N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
		LONGITUDE -103°	47'	36.29" W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE NE Sec. 20 T24S R31E								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 12/30/2020		DRILLING ENDED 12/30/2020		DEPTH OF COMPLETED WELL (FT) temporary well material	BORE HOLE DEPTH (FT) 110	DEPTH WATER FIRST ENCOUNTERED (FT) n/a	
	COMPLETED WELL IS: ☐ ARTESIAN ☒ DRY HOLE ☐ SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a		
	DRILLING FLUID: ☒ AIR ☐ MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☒ OTHER - SPECIFY: Hollow Stem Auger							
	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	±8.5	Boring- HSA	--	--	--	--
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						

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO. C-4499	POD NO. 1	TRN NO. 182532
LOCATION 24S.31E.20.243	WELL TAG ID NO. ---	PAGE 1 OF 2

OSE DJT JAN 27 2021 PM3:34

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	6	6	SAND, well graded, fine-to-large grain particles red-brown, dry	Y ✓ N	
	6	8	2	SAND, poorly graded, fine grained little clay mod. plasticity, red-brown, moist	Y ✓ N	
	8	11	3	CALICHE, mod. consolidated, some sand, medium /fine grain, white-tan, dry	Y ✓ N	
	11	46	35	CALICHE, mod. consolidated, some sand, medium to fine grain, white-tan, dry.	Y ✓ N	
	46	74	28	SAND, well-graded, medium grain, caliche gravel (1-4mm), light brown, dry.	Y ✓ N	
	74	110	36	SAND, well-graded, fine/large grain, few clay, cohesive, red-brown, dry	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: ☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ 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 well materials removed and the soil boring backfilled using drill cuttings from total depth to ten feet below ground surface, then hydrated bentonite chips from ten feet below ground surface to surface. Logs adapted from WSP on-site geologist.	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 Jackie D. Atkins	01/15/2021
	SIGNATURE OF DRILLER / PRINT SIGNED NAME	DATE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 06/30/2017)	
FILE NO.	C-4499	POD NO.	1
LOCATION		TRN NO.	482532
		WELL TAG ID NO.	PAGE 2 OF 2

USE DT JAN 27 2021 PM 3:34

2021-1-15_C-4499_POD1_OSE_Well Record and Log_plu129-forsign

Final Audit Report

2021-01-15

Created:	2021-01-15
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAs296c366oCiflrLCiy9WDKJlrUnq-9u

"2021-1-15_C-4499_POD1_OSE_Well Record and Log_plu129-forsign" History

-  Document created by Lucas Middleton (lucas@atkinseng.com)
2021-01-15 - 8:45:00 PM GMT- IP address: 69.21.248.123
-  Document emailed to Jack Atkins (jack@atkinseng.com) for signature
2021-01-15 - 8:45:35 PM GMT
-  Email viewed by Jack Atkins (jack@atkinseng.com)
2021-01-15 - 9:05:13 PM GMT- IP address: 74.50.153.115
-  Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2021-01-15 - 9:13:18 PM GMT - Time Source: server- IP address: 74.50.153.115
-  Agreement completed.
2021-01-15 - 9:13:18 PM GMT

OSE DJJ JAN 27 2021 PM3:34



APPENDIX B

Photographic Log

**Photographic Log**

XTO Energy, Inc
 PLU 16 TWR CVB
 nAPP2517830574

☉ 340°NW (T) • 32.209044, -103.786802 ±3m ▲ 1044m



Stained area

PLU 16 TWR CVB
 26 Jun 2025, 3:14:30 PM

Photograph: 1 Date: 6/26/2025
 Description: Initial release extent; near SS05
 View: Northwest

☉ 181°S (T) • 32.208912, -103.787111 ±3m ▲ 1044m



Stained area

PLU 16 TWR CVB
 26 Jun 2025, 3:16:20 PM

Photograph: 2 Date: 6/26/2025
 Description: Initial release extent; near SS10
 View: South



Date & Time: Fri, Jul 18, 2025 at 11:21:31 MDT
 Position: 32.209044, -103.786802 ±3m
 Altitude: 3513ft ±7.9ft
 Datum: NAD83
 Azimuth Bearing: 242° S62°W 4302mils True ±13°
 Elevation Angle: 48.2°
 Horizontal Angle: 41.8°
 Zoom: 1.0x
 PLU 16 TWR CVB

Photograph: 3 Date: 7/17/2025
 Description: Surface scraping activities; near CS01
 View: Southwest



Date & Time: Fri, Jul 18, 2025 at 11:21:31 MDT
 Position: 32.209044, -103.786802 ±3m
 Altitude: 3513ft ±7.9ft
 Datum: NAD83
 Azimuth Bearing: 242° S62°W 4302mils True ±13°
 Elevation Angle: 48.2°
 Horizontal Angle: 41.8°
 Zoom: 1.0x
 PLU 16 TWR CVB

Photograph: 4 Date: 7/18/2025
 Description: Surface scraping activities; near CS05
 View: Southwest

**Photographic Log**

XTO Energy, Inc
 PLU 16 TWR CVB
 nAPP2517830574

Date & Time: Fri, Jul 18, 2025 at 10:42:52 MDT
 Position: +032.209292° / +103.786940° (±21.4ft)
 Altitude: 3514ft (±10.6ft)
 Datum: WGS-84
 Azimuth/Bearing: 104° S28E 279mils True (±12°)
 Elevation Angle: -06.3°
 Horizon Angle: -02.2°
 Zoom: 1.0X
 PLU 16 TWR CVB



Photograph: 5 Date: 7/18/2025
 Description: Surface scraping activities; near CS01
 View: Southeast

Date & Time: Fri, Jul 18, 2025 at 11:22:06 MDT
 Position: +032.208918° / +103.786944° (±16.6ft)
 Altitude: 3519ft (±9.8ft)
 Datum: WGS-84
 Azimuth/Bearing: 013° N13E 023mils True (±13°)
 Elevation Angle: +08.5°
 Horizon Angle: +00.5°
 Zoom: 1.0X
 PLU 16 TWR CVB



Photograph: 6 Date: 7/18/2025
 Description: Surface scraping activities; near CS18
 View: Northeast

Date & Time: Fri, Jul 18, 2025 at 11:21:09 MDT
 Position: +032.209031° / +103.786771° (±15.3ft)
 Altitude: 3521ft (±9.8ft)
 Datum: WGS-84
 Azimuth/Bearing: 297° N63W 5280mils True (±12°)
 Elevation Angle: -06.8°
 Horizon Angle: -00.5°
 Zoom: 1.0X
 PLU 16 TWR CVB



Photograph: 7 Date: 7/18/2025
 Description: Surface scraping activities; near CS06
 View: Northwest

Date & Time: Fri, Jul 18, 2025 at 10:46:02 MDT
 Position: +032.208912° / +103.787071° (±13.5ft)
 Altitude: 3515ft (±9.8ft)
 Datum: WGS-84
 Azimuth/Bearing: 024° S04E 042mils True (±12°)
 Elevation Angle: +11.2°
 Horizon Angle: +0.5°
 Zoom: 1.0X
 PLU 16 TWR CVB



Photograph: 8 Date: 7/18/2025
 Description: Surface scraping activities; near CS13
 View: Northeast



APPENDIX C

Laboratory Analytical Reports & Chain of Custody Documentation



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

July 10, 2025

TRACY HILLARD

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: PLU 16 TWR CVB

Enclosed are the results of analyses for samples received by the laboratory on 07/03/25 12:46.

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.

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

Received: 07/03/2025
 Reported: 07/10/2025
 Project Name: PLU 16 TWR CVB
 Project Number: 03C1558696
 Project Location: XTO 32.20841-103.78655

Sampling Date: 06/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SS 09 0' (H254011-01)

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	07/03/2025	ND	2.04	102	2.00	2.85	
Toluene*	<0.050	0.050	07/03/2025	ND	2.10	105	2.00	1.81	
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.13	106	2.00	1.54	
Total Xylenes*	<0.150	0.150	07/03/2025	ND	6.35	106	6.00	0.884	
Total BTX	<0.300	0.300	07/03/2025	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	1500	16.0	07/07/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	195	97.3	200	0.919	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	216	108	200	0.443	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 73.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.2 % 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
 TRACY HILLARD
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/03/2025
 Reported: 07/10/2025
 Project Name: PLU 16 TWR CVB
 Project Number: 03C1558696
 Project Location: XTO 32.20841-103.78655

Sampling Date: 06/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SS 10 0' (H254011-02)

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	07/03/2025	ND	2.04	102	2.00	2.85		
Toluene*	<0.050	0.050	07/03/2025	ND	2.10	105	2.00	1.81		
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.13	106	2.00	1.54		
Total Xylenes*	<0.150	0.150	07/03/2025	ND	6.35	106	6.00	0.884		
Total BTEx	<0.300	0.300	07/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	6720	16.0	07/07/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	195	97.3	200	0.919	
DRO >C10-C28*	17.5	10.0	07/07/2025	ND	216	108	200	0.443	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 76.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.9 % 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

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

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1-1

Company Name: Ensolum, LLC				BILL TO				ANALYSIS REQUEST											
Project Manager: <u>Tracy Hillard</u>				P.O. #:															
Address: 601 N Marienfeld Street, Suite 400				Company: XTO Energy, Inc															
City: Midland State: TX Zip: 79701				Attn: Colton Brown															
Phone #: (575) 937-3906 Fax #:				Address: 3104 E Greene St															
Project #: <u>03C15586646</u> Project Owner: XTO Energy				City: Carlsbad															
Project Name: <u>PLU 16 TVR CVD</u> - SPILLS				State: NM Zip: 88220															
Project Location: <u>32.20841, -103.78655</u>				Phone #:															
Sampler Name: <u>Trevor Wargo</u>				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX			PRESERV.		SAMPLING		TPH 8015	BTEX 8021	Chloride 4500					
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME				
<u>H254011</u>	<u>SS09</u>	<u>0</u>	<u>G1</u>				<u>✓</u>				<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>06/30/25</u>	<u>13:45</u>	<u>✓</u>			
<u>2</u>	<u>SS10</u>	<u>0</u>	<u>G1</u>				<u>✓</u>				<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>13:47</u>	<u>✓</u>	<u>✓</u>			

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 the client for the 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 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: <u>Trevor Wargo</u>		Date: <u>7-3-25</u>	Received By: <u>Shodkinney</u>		Verbal Result: ☐ Yes ☒ No Add'l Phone #:	
Relinquished By:		Time: <u>1240</u>	Received By:		All Results are emailed. Please provide Email address: <u>twargo@ensolum.com</u>	
Delivered By: (Circle One)		Observed Temp. °C: <u>01.1</u>	Sample Condition		REMARKS: Incident Number: <u>APP2517830974</u>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C: <u>0.4</u>	Cool Intact ☒ Yes ☐ No ☐ No		Cost Center: <u>Pending</u>	
			CHECKED BY: (Initials) <u>SR</u>		GFCM: 48605000	
			Turnaround Time: <u>Standard</u> ☒ <u>Rush</u> ☐		Bacteria (only) Sample Condition	
			Thermometer ID: <u>4113</u>		Cool Intact ☐ Yes ☐ No ☐ No	
			Correction Factor: <u>0.5°C</u>		Observed Temp. °C	
					Corrected Temp. °C	

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



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

July 10, 2025

TRACY HILLARD

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: PLU 16 TWR CVB

Enclosed are the results of analyses for samples received by the laboratory on 07/03/25 12:46.

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.

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: 07/03/2025
 Reported: 07/10/2025
 Project Name: PLU 16 TWR CVB
 Project Number: 03C1558696
 Project Location: XTO 32.20841-103.78655

Sampling Date: 06/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SS 01 0 (H254013-01)

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	07/03/2025	ND	1.92	96.0	2.00	3.51		
Toluene*	<0.050	0.050	07/03/2025	ND	1.97	98.7	2.00	3.26		
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.02	101	2.00	1.34		
Total Xylenes*	<0.150	0.150	07/03/2025	ND	5.96	99.3	6.00	1.64		
Total BTEX	<0.300	0.300	07/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 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	32.0	16.0	07/07/2025	ND	432	108	400	7.69		

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	07/07/2025	ND	197	98.4	200	1.80	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	200	100	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 88.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.6 % 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: 07/03/2025
 Reported: 07/10/2025
 Project Name: PLU 16 TWR CVB
 Project Number: 03C1558696
 Project Location: XTO 32.20841-103.78655

Sampling Date: 06/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SS 02 0 (H254013-02)

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	07/03/2025	ND	1.92	96.0	2.00	3.51		
Toluene*	<0.050	0.050	07/03/2025	ND	1.97	98.7	2.00	3.26		
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.02	101	2.00	1.34		
Total Xylenes*	<0.150	0.150	07/03/2025	ND	5.96	99.3	6.00	1.64		
Total BTEX	<0.300	0.300	07/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 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	07/07/2025	ND	432	108	400	7.69		

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	07/07/2025	ND	197	98.4	200	1.80	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	200	100	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 86.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.0 % 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: 07/03/2025
 Reported: 07/10/2025
 Project Name: PLU 16 TWR CVB
 Project Number: 03C1558696
 Project Location: XTO 32.20841-103.78655

Sampling Date: 06/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SS 03 0 (H254013-03)

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	07/03/2025	ND	1.92	96.0	2.00	3.51	
Toluene*	<0.050	0.050	07/03/2025	ND	1.97	98.7	2.00	3.26	
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.02	101	2.00	1.34	
Total Xylenes*	<0.150	0.150	07/03/2025	ND	5.96	99.3	6.00	1.64	
Total BTEX	<0.300	0.300	07/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 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	48.0	16.0	07/07/2025	ND	432	108	400	7.69		

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	07/07/2025	ND	197	98.4	200	1.80	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	200	100	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 83.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.9 % 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: 07/03/2025
 Reported: 07/10/2025
 Project Name: PLU 16 TWR CVB
 Project Number: 03C1558696
 Project Location: XTO 32.20841-103.78655

Sampling Date: 06/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SS 04 0 (H254013-04)

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	07/03/2025	ND	1.92	96.0	2.00	3.51		
Toluene*	<0.050	0.050	07/03/2025	ND	1.97	98.7	2.00	3.26		
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.02	101	2.00	1.34		
Total Xylenes*	<0.150	0.150	07/03/2025	ND	5.96	99.3	6.00	1.64		
Total BTEX	<0.300	0.300	07/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 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	48.0	16.0	07/07/2025	ND	432	108	400	7.69		

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	07/07/2025	ND	197	98.4	200	1.80	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	200	100	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 85.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.8 % 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: 07/03/2025
 Reported: 07/10/2025
 Project Name: PLU 16 TWR CVB
 Project Number: 03C1558696
 Project Location: XTO 32.20841-103.78655

Sampling Date: 06/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SS 05 0 (H254013-05)

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	07/03/2025	ND	1.92	96.0	2.00	3.51		
Toluene*	<0.050	0.050	07/03/2025	ND	1.97	98.7	2.00	3.26		
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.02	101	2.00	1.34		
Total Xylenes*	<0.150	0.150	07/03/2025	ND	5.96	99.3	6.00	1.64		
Total BTX	<0.300	0.300	07/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 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	256	16.0	07/07/2025	ND	432	108	400	7.69		

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	07/07/2025	ND	197	98.4	200	1.80	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	200	100	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 81.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.0 % 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: 07/03/2025
 Reported: 07/10/2025
 Project Name: PLU 16 TWR CVB
 Project Number: 03C1558696
 Project Location: XTO 32.20841-103.78655

Sampling Date: 06/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SS 06 0 (H254013-06)

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	07/03/2025	ND	1.92	96.0	2.00	3.51		
Toluene*	<0.050	0.050	07/03/2025	ND	1.97	98.7	2.00	3.26		
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.02	101	2.00	1.34		
Total Xylenes*	<0.150	0.150	07/03/2025	ND	5.96	99.3	6.00	1.64		
Total BTEX	<0.300	0.300	07/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 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	07/07/2025	ND	432	108	400	7.69	

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	07/07/2025	ND	197	98.4	200	1.80	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	200	100	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 87.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.9 % 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: 07/03/2025
 Reported: 07/10/2025
 Project Name: PLU 16 TWR CVB
 Project Number: 03C1558696
 Project Location: XTO 32.20841-103.78655

Sampling Date: 06/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SS 07 0 (H254013-07)

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	07/03/2025	ND	1.92	96.0	2.00	3.51		
Toluene*	<0.050	0.050	07/03/2025	ND	1.97	98.7	2.00	3.26		
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.02	101	2.00	1.34		
Total Xylenes*	<0.150	0.150	07/03/2025	ND	5.96	99.3	6.00	1.64		
Total BTEX	<0.300	0.300	07/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 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	80.0	16.0	07/07/2025	ND	432	108	400	7.69		

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	07/07/2025	ND	197	98.4	200	1.80	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	200	100	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 86.0 % 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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Analytical Results For:

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

Received: 07/03/2025
 Reported: 07/10/2025
 Project Name: PLU 16 TWR CVB
 Project Number: 03C1558696
 Project Location: XTO 32.20841-103.78655

Sampling Date: 06/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SS 08 0 (H254013-08)

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	07/03/2025	ND	1.92	96.0	2.00	3.51		
Toluene*	<0.050	0.050	07/03/2025	ND	1.97	98.7	2.00	3.26		
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	2.02	101	2.00	1.34		
Total Xylenes*	<0.150	0.150	07/03/2025	ND	5.96	99.3	6.00	1.64		
Total BTEX	<0.300	0.300	07/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/07/2025	ND	432	108	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	07/07/2025	ND	197	98.4	200	1.80	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	200	100	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 89.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.4 % 40.6-153

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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

1-1

Company Name: Ensolum, LLC				BILL TO				ANALYSIS REQUEST											
Project Manager: Tracy Hillard				P.O. #:															
Address: 601 N Marienfeld Street, Suite 400				Company: XTO Energy, Inc															
City: Midland State: TX Zip: 79701				Attn: Colton Brown															
Phone #: (575) 137-3906 Fax #: 832-1558696				Address: 3104 E Greene St															
Project #: 03C-1558696 Project Owner: XTO Energy				City: Carlsbad															
Project Name: PLU 16 TWR CVB - SPILLS				State: NM Zip: 88220															
Project Location: 32.20841, -103.78655				Phone #:															
Sampler Name: Trevor Wargo				Fax #:															
Lab I.D.	Sample I.D.	Depth (feet)	FOR LAB USE ONLY	MATRIX	PRESERV.	SAMPLING	DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500								
H254013	SS01	0	(G)RAB OR (C)OMP.	GROUNDWATER	ACID/BASE:	DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500									
1	SS01	0	# CONTAINERS	WASTEWATER	ICE / COOL	06/30/25	12:35	✓	✓	✓									
2	SS02			SOIL	OTHER:		12:46												
3	SS03			OIL			13:01												
4	SS04			SLUDGE			13:03												
5	SS05			OTHER:			13:17												
6	SS06						13:18												
7	SS07						13:31												
8	SS08						13:34												

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Relinquished By: Trevor Wargo	Date: 7-3-25 Time: 12:46	Received By: S. Rodriguez	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date:	Received By:	All Results are emailed. Please provide Email address: twargo@ensolum.com
Delivered By: (Circle One)	Observed Temp. °C 0.1	Sample Condition Cool Intact ☐ Yes ☐ No	REMARKS: Incident Number: NAPP2517830574
Sampler - UPS - Bus - Other:	Corrected Temp. °C 0.4	CHECKED BY: (Initials) SK	Cost Center: fencing
			GFCM: 48605000
			Turnaround Time: Standard ☒ Rush ☐
			Bacteria (only) Sample Condition Cool Intact ☐ Yes ☐ No
			Thermometer ID #443 #140
			Correction Factor -0.5°C

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



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

July 23, 2025

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: PLU 16 TWR CVB

Enclosed are the results of analyses for samples received by the laboratory on 07/21/25 12:35.

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.

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: 07/21/2025
Reported: 07/23/2025
Project Name: PLU 16 TWR CVB
Project Number: 03C1558696
Project Location: XTO 32.208410,-103.786550

Sampling Date: 07/17/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: CS 01 0.25' (H254359-01)

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	07/22/2025	ND	1.94	97.2	2.00	3.05	
Toluene*	<0.050	0.050	07/22/2025	ND	2.06	103	2.00	2.63	
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.13	107	2.00	2.25	
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.61	110	6.00	3.47	
Total BTX	<0.300	0.300	07/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	07/22/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/23/2025	ND	203	101	200	0.202	
DRO >C10-C28*	<10.0	10.0	07/23/2025	ND	188	94.2	200	0.483	
EXT DRO >C28-C36	<10.0	10.0	07/23/2025	ND					

Surrogate: 1-Chlorooctane 74.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.8 % 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: 07/21/2025
Reported: 07/23/2025
Project Name: PLU 16 TWR CVB
Project Number: 03C1558696
Project Location: XTO 32.208410,-103.786550

Sampling Date: 07/17/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: CS 02 0.25' (H254359-02)

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	07/22/2025	ND	1.94	97.2	2.00	3.05		
Toluene*	<0.050	0.050	07/22/2025	ND	2.06	103	2.00	2.63		
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.13	107	2.00	2.25		
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.61	110	6.00	3.47		
Total BTEx	<0.300	0.300	07/22/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	07/22/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/23/2025	ND	203	101	200	0.202	
DRO >C10-C28*	<10.0	10.0	07/23/2025	ND	188	94.2	200	0.483	
EXT DRO >C28-C36	<10.0	10.0	07/23/2025	ND					

Surrogate: 1-Chlorooctane 80.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.1 % 40.6-153

Cardinal Laboratories

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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: 07/21/2025
Reported: 07/23/2025
Project Name: PLU 16 TWR CVB
Project Number: 03C1558696
Project Location: XTO 32.208410,-103.786550

Sampling Date: 07/17/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: CS 03 0.25' (H254359-03)

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	07/22/2025	ND	1.94	97.2	2.00	3.05	
Toluene*	<0.050	0.050	07/22/2025	ND	2.06	103	2.00	2.63	
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.13	107	2.00	2.25	
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.61	110	6.00	3.47	
Total BTEx	<0.300	0.300	07/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	07/22/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/23/2025	ND	203	101	200	0.202	
DRO >C10-C28*	<10.0	10.0	07/23/2025	ND	188	94.2	200	0.483	
EXT DRO >C28-C36	<10.0	10.0	07/23/2025	ND					

Surrogate: 1-Chlorooctane 77.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.8 % 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: 07/21/2025
Reported: 07/23/2025
Project Name: PLU 16 TWR CVB
Project Number: 03C1558696
Project Location: XTO 32.208410,-103.786550

Sampling Date: 07/17/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: CS 04 0.25' (H254359-04)

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	07/22/2025	ND	1.94	97.2	2.00	3.05		
Toluene*	<0.050	0.050	07/22/2025	ND	2.06	103	2.00	2.63		
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.13	107	2.00	2.25		
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.61	110	6.00	3.47		
Total BTEx	<0.300	0.300	07/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	07/22/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/23/2025	ND	203	101	200	0.202	
DRO >C10-C28*	<10.0	10.0	07/23/2025	ND	188	94.2	200	0.483	
EXT DRO >C28-C36	<10.0	10.0	07/23/2025	ND					

Surrogate: 1-Chlorooctane 78.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.1 % 40.6-153

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Analytical Results For:

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

Received: 07/21/2025
Reported: 07/23/2025
Project Name: PLU 16 TWR CVB
Project Number: 03C1558696
Project Location: XTO 32.208410,-103.786550

Sampling Date: 07/17/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: CS 05 0.25' (H254359-05)

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	07/22/2025	ND	1.94	97.2	2.00	3.05		
Toluene*	<0.050	0.050	07/22/2025	ND	2.06	103	2.00	2.63		
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.13	107	2.00	2.25		
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.61	110	6.00	3.47		
Total BTEx	<0.300	0.300	07/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	07/22/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/23/2025	ND	203	101	200	0.202	
DRO >C10-C28*	<10.0	10.0	07/23/2025	ND	188	94.2	200	0.483	
EXT DRO >C28-C36	<10.0	10.0	07/23/2025	ND					

Surrogate: 1-Chlorooctane 84.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.5 % 40.6-153

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Analytical Results For:

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

Received: 07/21/2025
Reported: 07/23/2025
Project Name: PLU 16 TWR CVB
Project Number: 03C1558696
Project Location: XTO 32.208410,-103.786550

Sampling Date: 07/17/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: CS 06 0.25' (H254359-06)

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	07/22/2025	ND	1.94	97.2	2.00	3.05	
Toluene*	<0.050	0.050	07/22/2025	ND	2.06	103	2.00	2.63	
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.13	107	2.00	2.25	
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.61	110	6.00	3.47	
Total BTX	<0.300	0.300	07/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	07/22/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/23/2025	ND	203	101	200	0.202	
DRO >C10-C28*	<10.0	10.0	07/23/2025	ND	188	94.2	200	0.483	
EXT DRO >C28-C36	<10.0	10.0	07/23/2025	ND					

Surrogate: 1-Chlorooctane 85.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.0 % 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: 07/21/2025
Reported: 07/23/2025
Project Name: PLU 16 TWR CVB
Project Number: 03C1558696
Project Location: XTO 32.208410,-103.786550

Sampling Date: 07/17/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: CS 07 0.25' (H254359-07)

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	07/22/2025	ND	1.94	97.2	2.00	3.05		
Toluene*	<0.050	0.050	07/22/2025	ND	2.06	103	2.00	2.63		
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.13	107	2.00	2.25		
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.61	110	6.00	3.47		
Total BTEx	<0.300	0.300	07/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2040	16.0	07/22/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/23/2025	ND	203	101	200	0.202	
DRO >C10-C28*	<10.0	10.0	07/23/2025	ND	188	94.2	200	0.483	
EXT DRO >C28-C36	<10.0	10.0	07/23/2025	ND					

Surrogate: 1-Chlorooctane 81.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.3 % 40.6-153

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Analytical Results For:

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

Received: 07/21/2025
Reported: 07/23/2025
Project Name: PLU 16 TWR CVB
Project Number: 03C1558696
Project Location: XTO 32.208410,-103.786550

Sampling Date: 07/17/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: CS 08 0.25' (H254359-08)

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	07/22/2025	ND	2.07	104	2.00	2.52		
Toluene*	<0.050	0.050	07/22/2025	ND	2.10	105	2.00	2.83		
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.18	109	2.00	0.678		
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.88	115	6.00	0.195		
Total BTEX	<0.300	0.300	07/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1960	16.0	07/22/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2025	ND	186	93.0	200	7.18	
DRO >C10-C28*	<10.0	10.0	07/22/2025	ND	207	104	200	7.25	
EXT DRO >C28-C36	<10.0	10.0	07/22/2025	ND					

Surrogate: 1-Chlorooctane 83.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.8 % 40.6-153

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Analytical Results For:

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

Received: 07/21/2025
Reported: 07/23/2025
Project Name: PLU 16 TWR CVB
Project Number: 03C1558696
Project Location: XTO 32.208410,-103.786550

Sampling Date: 07/17/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: CS 09 0.25' (H254359-09)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2025	ND	2.07	104	2.00	2.52		
Toluene*	<0.050	0.050	07/22/2025	ND	2.10	105	2.00	2.83		
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.18	109	2.00	0.678		
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.88	115	6.00	0.195		
Total BTX	<0.300	0.300	07/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	9840	16.0	07/22/2025	ND	448	112	400	6.90	QM-07	

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	07/23/2025	ND	186	93.0	200	7.18	
DRO >C10-C28*	<10.0	10.0	07/23/2025	ND	207	104	200	7.25	
EXT DRO >C28-C36	<10.0	10.0	07/23/2025	ND					

Surrogate: 1-Chlorooctane 78.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.0 % 40.6-153

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Analytical Results For:

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

Received: 07/21/2025
Reported: 07/23/2025
Project Name: PLU 16 TWR CVB
Project Number: 03C1558696
Project Location: XTO 32.208410,-103.786550

Sampling Date: 07/17/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: CS 10 0.25' (H254359-10)

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	07/22/2025	ND	2.07	104	2.00	2.52		
Toluene*	<0.050	0.050	07/22/2025	ND	2.10	105	2.00	2.83		
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.18	109	2.00	0.678		
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.88	115	6.00	0.195		
Total BTEx	<0.300	0.300	07/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	1870	16.0	07/22/2025	ND	448	112	400	6.90		

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	07/22/2025	ND	186	93.0	200	7.18	
DRO >C10-C28*	<10.0	10.0	07/22/2025	ND	207	104	200	7.25	
EXT DRO >C28-C36	<10.0	10.0	07/22/2025	ND					

Surrogate: 1-Chlorooctane 70.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.1 % 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: 07/21/2025
Reported: 07/23/2025
Project Name: PLU 16 TWR CVB
Project Number: 03C1558696
Project Location: XTO 32.208410,-103.786550

Sampling Date: 07/17/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: CS 11 0.25' (H254359-11)

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	07/22/2025	ND	2.07	104	2.00	2.52		
Toluene*	<0.050	0.050	07/22/2025	ND	2.10	105	2.00	2.83		
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.18	109	2.00	0.678		
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.88	115	6.00	0.195		
Total BTEX	<0.300	0.300	07/22/2025	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	2080	16.0	07/22/2025	ND	448	112	400	6.90		

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	07/22/2025	ND	186	93.0	200	7.18	
DRO >C10-C28*	<10.0	10.0	07/22/2025	ND	207	104	200	7.25	
EXT DRO >C28-C36	<10.0	10.0	07/22/2025	ND					

Surrogate: 1-Chlorooctane 73.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 67.1 % 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
TRACY HILLARD
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 07/21/2025
Reported: 07/23/2025
Project Name: PLU 16 TWR CVB
Project Number: 03C1558696
Project Location: XTO 32.208410,-103.786550

Sampling Date: 07/17/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: CS 12 0.25' (H254359-12)

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	07/22/2025	ND	2.07	104	2.00	2.52		
Toluene*	<0.050	0.050	07/22/2025	ND	2.10	105	2.00	2.83		
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.18	109	2.00	0.678		
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.88	115	6.00	0.195		
Total BTEx	<0.300	0.300	07/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	2000	16.0	07/22/2025	ND	448	112	400	6.90		

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	07/22/2025	ND	186	93.0	200	7.18	
DRO >C10-C28*	<10.0	10.0	07/22/2025	ND	207	104	200	7.25	
EXT DRO >C28-C36	<10.0	10.0	07/22/2025	ND					

Surrogate: 1-Chlorooctane 78.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.9 % 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: 07/21/2025
Reported: 07/23/2025
Project Name: PLU 16 TWR CVB
Project Number: 03C1558696
Project Location: XTO 32.208410,-103.786550

Sampling Date: 07/18/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: CS 13 0.25' (H254359-13)

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	07/22/2025	ND	2.07	104	2.00	2.52		
Toluene*	<0.050	0.050	07/22/2025	ND	2.10	105	2.00	2.83		
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.18	109	2.00	0.678		
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.88	115	6.00	0.195		
Total BTX	<0.300	0.300	07/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	5600	16.0	07/22/2025	ND	448	112	400	6.90		

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	07/22/2025	ND	186	93.0	200	7.18	
DRO >C10-C28*	<10.0	10.0	07/22/2025	ND	207	104	200	7.25	
EXT DRO >C28-C36	<10.0	10.0	07/22/2025	ND					

Surrogate: 1-Chlorooctane 68.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.4 % 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: 07/21/2025
Reported: 07/23/2025
Project Name: PLU 16 TWR CVB
Project Number: 03C1558696
Project Location: XTO 32.208410,-103.786550

Sampling Date: 07/18/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: CS 14 0.25' (H254359-14)

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	07/22/2025	ND	2.07	104	2.00	2.52		
Toluene*	<0.050	0.050	07/22/2025	ND	2.10	105	2.00	2.83		
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.18	109	2.00	0.678		
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.88	115	6.00	0.195		
Total BTEX	<0.300	0.300	07/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	4880	16.0	07/22/2025	ND	448	112	400	6.90		

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	07/22/2025	ND	186	93.0	200	7.18	
DRO >C10-C28*	<10.0	10.0	07/22/2025	ND	207	104	200	7.25	
EXT DRO >C28-C36	<10.0	10.0	07/22/2025	ND					

Surrogate: 1-Chlorooctane 81.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.5 % 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: 07/21/2025
Reported: 07/23/2025
Project Name: PLU 16 TWR CVB
Project Number: 03C1558696
Project Location: XTO 32.208410,-103.786550

Sampling Date: 07/18/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: CS 15 0.25' (H254359-15)

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	07/22/2025	ND	2.07	104	2.00	2.52	
Toluene*	<0.050	0.050	07/22/2025	ND	2.10	105	2.00	2.83	
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.18	109	2.00	0.678	
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.88	115	6.00	0.195	
Total BTEX	<0.300	0.300	07/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	5200	16.0	07/22/2025	ND	448	112	400	6.90	

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	07/22/2025	ND	186	93.0	200	7.18	
DRO >C10-C28*	<10.0	10.0	07/22/2025	ND	207	104	200	7.25	
EXT DRO >C28-C36	<10.0	10.0	07/22/2025	ND					

Surrogate: 1-Chlorooctane 73.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.0 % 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: 07/21/2025
Reported: 07/23/2025
Project Name: PLU 16 TWR CVB
Project Number: 03C1558696
Project Location: XTO 32.208410,-103.786550

Sampling Date: 07/18/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: CS 16 0.25' (H254359-16)

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	07/22/2025	ND	2.07	104	2.00	2.52		
Toluene*	<0.050	0.050	07/22/2025	ND	2.10	105	2.00	2.83		
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.18	109	2.00	0.678		
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.88	115	6.00	0.195		
Total BTEX	<0.300	0.300	07/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	4720	16.0	07/22/2025	ND	448	112	400	6.90		

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	07/22/2025	ND	186	93.0	200	7.18	
DRO >C10-C28*	<10.0	10.0	07/22/2025	ND	207	104	200	7.25	
EXT DRO >C28-C36	<10.0	10.0	07/22/2025	ND					

Surrogate: 1-Chlorooctane 85.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.4 % 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: 07/21/2025
Reported: 07/23/2025
Project Name: PLU 16 TWR CVB
Project Number: 03C1558696
Project Location: XTO 32.208410,-103.786550

Sampling Date: 07/18/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: CS 17 0.25' (H254359-17)

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	07/22/2025	ND	2.07	104	2.00	2.52		
Toluene*	<0.050	0.050	07/22/2025	ND	2.10	105	2.00	2.83		
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.18	109	2.00	0.678		
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.88	115	6.00	0.195		
Total BTEX	<0.300	0.300	07/22/2025	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	4000	16.0	07/22/2025	ND	448	112	400	6.90		

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	07/22/2025	ND	186	93.0	200	7.18	
DRO >C10-C28*	<10.0	10.0	07/22/2025	ND	207	104	200	7.25	
EXT DRO >C28-C36	<10.0	10.0	07/22/2025	ND					

Surrogate: 1-Chlorooctane 76.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.3 % 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: 07/21/2025
Reported: 07/23/2025
Project Name: PLU 16 TWR CVB
Project Number: 03C1558696
Project Location: XTO 32.208410,-103.786550

Sampling Date: 07/18/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: CS 18 0.25' (H254359-18)

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	07/22/2025	ND	2.07	104	2.00	2.52		
Toluene*	<0.050	0.050	07/22/2025	ND	2.10	105	2.00	2.83		
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.18	109	2.00	0.678		
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.88	115	6.00	0.195		
Total BTEX	<0.300	0.300	07/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	3600	16.0	07/22/2025	ND	448	112	400	6.90		

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	07/22/2025	ND	186	93.0	200	7.18	
DRO >C10-C28*	<10.0	10.0	07/22/2025	ND	207	104	200	7.25	
EXT DRO >C28-C36	<10.0	10.0	07/22/2025	ND					

Surrogate: 1-Chlorooctane 76.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.1 % 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: 07/21/2025
Reported: 07/23/2025
Project Name: PLU 16 TWR CVB
Project Number: 03C1558696
Project Location: XTO 32.208410,-103.786550

Sampling Date: 07/18/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: CS 19 0.25' (H254359-19)

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	07/22/2025	ND	2.07	104	2.00	2.52		
Toluene*	<0.050	0.050	07/22/2025	ND	2.10	105	2.00	2.83		
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.18	109	2.00	0.678		
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.88	115	6.00	0.195		
Total BTEX	<0.300	0.300	07/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	3280	16.0	07/22/2025	ND	448	112	400	6.90		

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	07/22/2025	ND	186	93.0	200	7.18	
DRO >C10-C28*	<10.0	10.0	07/22/2025	ND	207	104	200	7.25	
EXT DRO >C28-C36	<10.0	10.0	07/22/2025	ND					

Surrogate: 1-Chlorooctane 84.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.5 % 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: 07/21/2025
Reported: 07/23/2025
Project Name: PLU 16 TWR CVB
Project Number: 03C1558696
Project Location: XTO 32.208410,-103.786550

Sampling Date: 07/18/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: CS 20 0.25' (H254359-20)

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	07/22/2025	ND	2.07	104	2.00	2.52		
Toluene*	<0.050	0.050	07/22/2025	ND	2.10	105	2.00	2.83		
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.18	109	2.00	0.678		
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.88	115	6.00	0.195		
Total BTEX	<0.300	0.300	07/22/2025	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	3280	16.0	07/22/2025	ND	448	112	400	6.90		

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	07/23/2025	ND	186	93.0	200	7.18	
DRO >C10-C28*	<10.0	10.0	07/23/2025	ND	207	104	200	7.25	
EXT DRO >C28-C36	<10.0	10.0	07/23/2025	ND					

Surrogate: 1-Chlorooctane 84.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.2 % 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: 07/21/2025
Reported: 07/23/2025
Project Name: PLU 16 TWR CVB
Project Number: 03C1558696
Project Location: XTO 32.208410,-103.786550

Sampling Date: 07/18/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: CS 21 0.25' (H254359-21)

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	07/22/2025	ND	2.07	104	2.00	2.52	
Toluene*	<0.050	0.050	07/22/2025	ND	2.10	105	2.00	2.83	
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	2.18	109	2.00	0.678	
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.88	115	6.00	0.195	
Total BTX	<0.300	0.300	07/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	3600	16.0	07/22/2025	ND	448	112	400	6.90	

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	07/23/2025	ND	186	93.0	200	7.18	
DRO >C10-C28*	<10.0	10.0	07/23/2025	ND	207	104	200	7.25	
EXT DRO >C28-C36	<10.0	10.0	07/23/2025	ND					

Surrogate: 1-Chlorooctane 75.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.2 % 40.6-153

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

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

Celey D. Keene, Lab Director/Quality Manager



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 3

Company Name: Ensolum, LLC				BILL TO				ANALYSIS REQUEST																									
Project Manager: Tracy Hillard				P.O. #:																													
Address: 3122 National Parks Hwy				Company: XTO Energy Inc.																													
City: Carlsbad State: NM Zip: 88220				Attn: Colton Brown																													
Phone #: 337 257-8307 Fax #:				Address: 3104 E. Green St.																													
Project #: 03C1558696 Project Owner: XTO				City: Carlsbad																													
Project Name: PLU 16 TWR CVB				State: NM Zip: 88220																													
Project Location:				Phone #:																													
Sampler Name: Connor Whitman				Fax #:																													
FOR LAB USE ONLY																																	
Lab I.D.		Sample I.D.		Sample Depth (feet)		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX				PRESERV.		SAMPLING																	
										GROUNDWATER				ACID/BASE:		DATE		TIME															
										WASTEWATER				ICE / COOL						BTEX													
										SOIL				OTHER:								TPH											
										OIL				OTHER:								CHLORIDE											
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 3

Company Name: Ensolum, LLC Project Manager: Tracy Hillard Address: 3122 National Parks Hwy City: Carlsbad State: NM Zip: 88220 Phone #: 337 257-8307 Fax #: Project #: 03C1558696 Project Owner: XTO Project Name: PLU 16 TWR CVB Project Location: Sampler Name: Connor Whitman				BILL TO P.O. #: Company: XTO Energy Inc. Attn: Colton Brown Address: 3104 E. Green St. City: Carlsbad State: NM Zip: 88220 Phone #: Fax #:				ANALYSIS REQUEST																					
FOR LAB USE ONLY				MATRIX				PRESERV.		SAMPLING																			
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)COMP. # CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	BTEX	TPH	CHLORIDE												
H254359																													
11	CS11	0.25	C1										7-11-25	1400															
12	CS12												↓	1405															
13	CS13												7-18-25	950															
14	CS14													1000															
15	CS15													1010															
16	CS16													1015															
17	CS17													1030															
18	CS18													1035															
19	CS19													1040															
20	CS20													1045															

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Relinquished By: 		Date: 7-21-25	Received By: 		Verbal Result: ☐ Yes ☐ No Add'l Phone #:	
Relinquished By:		Date:	Received By:		All Results are emailed. Please provide Email address:	
		Time:			THillard@ensolum.com, TMorrissey@ensolum.com, kthomason@ensolum.com	
Delivered By: (Circle One)		Observed Temp. °C: 0.12	Sample Condition Cool Intact ☒ Yes ☐ No		REMARKS: Cost Center: Pending Incident ID: nAPP2517830574	
Sampler - UPS - Bus - Other:		Corrected Temp. °C: 0.01	CHECKED BY: (Initials) 		Turnaround Time: ☒ Standard ☐ Rush	
					Bacteria (only) Sample Condition Cool Intact ☒ Yes ☐ No	
					Thermometer ID: #13 Correction Factor: -0.5°C ± 0.018	
					Observed Temp. °C: Corrected Temp. °C:	

FORM-006 R 3.2 10/07/21

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

303

Company Name: Ensolum, LLC Project Manager: Tracy Hillard Address: 3122 National Parks Hwy City: Carlsbad State: NM Zip: 88220 Phone #: 337 257-8307 Fax #: Project #: 03C1558696 Project Owner: XTO Project Name: PLU 16 TWR CVB Project Location: Sampler Name: Connor Whitman				BILL TO P.O. #: Company: XTO Energy Inc. Attn: Colton Brown Address: 3104 E. Green St. City: Carlsbad State: NM Zip: 88220 Phone #: Fax #:				ANALYSIS REQUEST													
FOR LAB USE ONLY				MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				PRESERV. ACID/BASE: ICE / COOL OTHER:		SAMPLING DATE TIME		BTEX TPH CHLORIDE									
Lab I.D. H254359 51	Sample I.D. C521	Sample Depth (feet) 0.25	(GRAB OR (C)OMP.) C 1	# CONTAINERS 1	GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	PRESERV. ACID/BASE: ICE / COOL OTHER:	SAMPLING DATE TIME	BTEX TPH CHLORIDE													
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Relinquished By: [Signature]				Date: 7-21-25 Time: 1235				Received By: [Signature]				Verbal Result: ☐ Yes ☐ No Add'l Phone #: All Results are emailed. Please provide Email address: THillard@ensolum.com, TMorrissey@ensolum.com, kthomason@ensolum.com									
Relinquished By:				Date:				Received By:				REMARKS: Cost Center: Pending Incident ID: nAPP2517830574 GFCM: 48605000 AFE:									
Delivered By: (Circle One) Sampler - UPS - Bus - Other:				Observed Temp. °C 0.12 Corrected Temp. °C 0.41				Sample Condition Cool Intact ☒ Yes ☒ Yes ☐ No ☐ No				TURNAROUND TIME: Standard ☐ Rush ☒ Thermometer ID: 1113 Correction Factor: -0.5°C Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☐ Yes ☐ No ☐ No Corrected Temp. °C									

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

QUESTIONS

Action 508822

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 508822
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2517830574
Incident Name	NAPP2517830574 PLU 16 TWR CVB @ C-21-24S-31E
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source

Please answer all the questions in this group.

Site Name	PLU 16 TWR CVB
Date Release Discovered	06/26/2025
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Other (Specify) Produced Water Released: 8 BBL Recovered: 3 BBL Lost: 5 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	4" water line coming off a tester

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QUESTIONS, Page 2

Action 508822

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 508822
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 09/24/2025
--	--

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QUESTIONS, Page 3

Action 508822

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 508822
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<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
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 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	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<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
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	9480
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	06/30/2025
On what date will (or did) the final sampling or liner inspection occur	07/18/2025
On what date will (or was) the remediation complete(d)	07/18/2025
What is the estimated surface area (in square feet) that will be reclaimed	4200
What is the estimated volume (in cubic yards) that will be reclaimed	39
What is the estimated surface area (in square feet) that will be remediated	4200
What is the estimated volume (in cubic yards) that will be remediated	39
<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 508822

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 508822
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<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>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site 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: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 09/24/2025
<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>	

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 5

Action 508822

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 508822
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 508822

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 508822
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	484586
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/18/2025
What was the (estimated) number of samples that were to be gathered	25
What was the sampling surface area in square feet	5000

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	4200
What was the total volume (cubic yards) remediated	39
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	4200
What was the total volume (in cubic yards) reclaimed	39
Summarize any additional remediation activities not included by answers (above)	Surface scraping and soil sampling activities were conducted at the Site to address the release of produced water. Laboratory analytical results for the final confirmation soil samples indicated all COCs were in compliance with Closure Criteria. Based on the soil sample laboratory analytical results, no further remediation is warranted. Depth to groundwater is estimated to be greater than 100 feet bgs and no sensitive receptors were identified near the Site. XTO believes these remedial actions are protective of human health, the environment, and groundwater and respectfully requests closure for Incident Number nAPP2517830574.

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: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 09/24/2025
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QUESTIONS, Page 7

Action 508822

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 508822
	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 508822

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 508822
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvez	Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling ops.	10/16/2025