



September 1, 2026

New Mexico Oil Conservation Division

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

**Re: Remediation Work Plan
PLU 13-1 PC Pad B
Incident Numbers nAPP2606233467 & nAPP2607627521
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum) on behalf of XTO Energy, Inc. (XTO), has prepared this *Remediation Work Plan (Work Plan)* to document site assessment and delineation soil sampling activities at the PLU 13-1 PC Pad B (Site). The purpose of the site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following releases of produced water at the Site. The following *Work Plan* describes delineation and soil sampling activities completed and proposes additional delineation, excavation of impacted soil, and installation of a soil boring to investigate depth to water to confirm the Closure Criteria.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit H, Section 13, Township 24 South, Range 29 East, in Eddy County, New Mexico (32.2182431°, -103.9318957°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On March 2, 2026, a frac pump suction line failure resulted in the release of 8 barrels (bbls) of produced water onto the pad surface. Fluid recovery was attempted utilizing a vacuum trailer. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) via Notification of Release (NOR) on March 3, 2026, and subsequently an Initial C-141 Application (C-141) on March 4, 2026. The incident was assigned Incident Number nAPP2606233467.

On March 13, 2026, a pump discharge hose rupture resulted in the release of 8 bbls of produced water onto the pad surface. Fluid recovery was attempted utilizing a vacuum trailer. XTO reported the release to the NMOCD via NOR on March 17, 2026, and subsequently a C-141 the same day. The incident was assigned Incident Number nAPP2607627521.

Ensolum conducted Site visits between March and August 2026 that confirmed continuous frac and production operations were occurring. Access to the Site was restricted and delayed until the operations were complete, equipment was removed, and the overlapping releases could be safely accessed.

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. Potential site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be greater than 55 feet below ground surface (bgs) based on the nearest groundwater well data. On January 19, 2024, a soil boring permitted by New Mexico Office of the State Engineer (NMOSE) was advanced approximately 0.83 miles west of the Site utilizing an air rotary drilling method. Soil boring C-4794 was drilled to a total depth of 55 feet bgs, and a field geologist logged and described soils continuously. No moisture or groundwater was encountered during drilling activities. The borehole was left open for over 72 hours to allow for the potential slow infill of groundwater. After the 72-hour waiting period without observing groundwater, it was confirmed that groundwater at that location is greater than 55 feet bgs. The borehole was properly abandoned with drill cuttings and hydrated bentonite chips. The Well Log is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a Riverine located approximately 0.25 miles southeast 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). Potential site receptors are identified on Figure 1.

In order to confirm whether depth to groundwater is greater than 100 feet bgs at the Site, XTO proposes to advance a soil boring to a depth of 105 feet bgs. The soil boring will be located within 0.5 miles of the Site and a field geologist will log and describe soils continuously. The soil boring will be left open for over 72 hours to allow for equilibration of groundwater levels within the temporary boring casing. After the 72-hour waiting period, depth to groundwater will be assessed and the soil boring will be backfilled following NMOSE approved procedures. A well record or soil boring log will be included in the follow-up Closure Report.

Based on the results of the Site Characterization, and proposed depth to groundwater soil boring, 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; and
- Chloride: 20,000 mg/kg.

DELINEATION ACTIVITIES AND LABORATORY ANALYTICAL RESULTS

On March 16, 2026, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the C-141 and visual observations. Four delineation soil samples (SS01, SS01A, SS02, and SS02A) were collected within the release extent from depths of ground surface and 0.5 feet bgs. The soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. The release extent and delineation soil sample locations were mapped utilizing a handheld Global

Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation is included in Appendix B.

The Site was confirmed to be safely accessible on August 7, 2026, and between August 17 and August 21, 2026 Ensolum personnel returned to the Site to complete delineation activities. Eighteen delineation soil samples (SS19 through SS24 and SS26 through SS37) were collected around the release extent from the pad surface. Sample location SS25 was inadvertently omitted during sample collection. Eighteen delineation potholes were advanced in the vicinity of SS01 through SS18 via heavy equipment to maximum depths of 7 feet bgs within the release extent to assess the vertical extent of the release. Delineation soil samples were collected from each pothole at depths ranging from ground surface to 7 feet bgs. Soil from the delineation potholes was field screeded for VOCs and chloride. Field screening results and observations for the potholes were logged on lithologic soil sampling logs, which are included in Appendix C. The delineation soil sample locations are depicted on Figure 2.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following contaminants of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standards Method SM4500.

Laboratory analytical results for delineation soil samples SS19 through SS37, collected from the surface around the release extent, indicated that all COC concentrations were compliant with the proposed Closure Criteria and the reclamation requirement. Laboratory analytical results for delineation soil samples SS01, SS02, SS05, SS06, and SS11 through SS15 indicated COC concentrations exceeded Site Closure Criteria at depths between ground surface and 1-foot bgs, but were in compliance at depths between 2 foot and 4 feet bgs. Laboratory analytical results for delineation soil sample location SS08 indicated COC concentrations exceeded Site Closure Criteria at ground surface and 4 feet bgs, but were decreasing with depth. Laboratory analytical results are summarized in Table 1, and the complete laboratory analytical reports are included as Appendix D.

PROPOSED REMEDIATION WORK PLAN

The delineation soil sampling results indicate impacted soil exists on pad covering approximately 13,600 square feet and extending to a maximum depth of 4 feet bgs. The total release extent is approximately 19,400 square feet. As such, XTO proposes to complete the following remediation activities:

- A temporary soil boring will be advanced within 0.5 miles of the Site to confirm regional depth to groundwater is greater than 100 feet bgs, as described above.
 - If the soil boring indicates regional depth to groundwater is less than 100 feet bgs, the applicable Table I Closure Criteria will be applied to the remediation activities.
- Additional delineation of SS08 will be conducted via heavy equipment to depths exceeding 4 feet bgs. Delineation will proceed until laboratory analytical results indicate all COC concentrations are compliant with the Site Closure Criteria, and the vertical extent of the release is more fully defined.
- Surface scraping and disposal of visibly stained soil on pad within the release extent will be completed to remove waste-containing soil. Figure 3 illustrates the proposed scraping extents.
- Excavation and disposal of impacted soil to depths ranging from 0.5 feet to 5 feet bgs will occur within the release extent. Excavation will proceed until confirmation soil samples confirm all COC

XTO Energy, Inc.
Remediation Work Plan
PLU 13-1 PC Pad B



concentrations are compliant with the Closure Criteria. Figure 3 shows the proposed excavation extents.

- An estimated 1,600 cubic yards of impacted soil will be excavated and disposed of at a New Mexico approved disposal facility.
- The excavation will be backfilled with locally procured material and recontoured to match pre-existing conditions.

Due to the estimated size of the release area, lack of sensitive receptors at the Site- assuming the depth to groundwater is confirmed to be greater than 100 feet bgs by the proposed depth to water boring- XTO requests a variance for sampling frequency of confirmation soil samples. XTO proposes five-point composite samples to be collected at a sampling frequency of 400 square feet along the excavation floor and sidewalls. The proposed sampling frequency would reduce the total amount of samples from approximately 120 samples (200 square feet) to approximately 60 samples. The 5-point composite samples will be collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. The confirmation soil samples will be submitted to a New Mexico approved laboratory for analysis of all COCs. In the unlikely event that the depth to water is determined to be less than 50 feet bgs, confirmation soil samples will be collected at a 200 square foot sampling frequency.

XTO believes this *Work Plan* is protective of human health, the environment, and groundwater. As such, XTO requests approval of this *Work Plan* by NMOCD. XTO will complete the excavation and soil sampling activities within 90 days of the date of approval of this *Work Plan* by the NMOCD.

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 "Josh Boxley".

Joshua Boxley
Senior Technician

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

Tacoma Morrissey, M.S., P.G. (licensed in TX)
Associate Principal

cc: Robert Woodall, XTO
Richard Kotzur, XTO
BLM

Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Proposed Excavation & Scrape Extent
Table 1	Soil Sample Analytical Results
Appendix A	Referenced Well Records
Appendix B	Photographic Log
Appendix C	Lithologic / Soil Sampling Logs

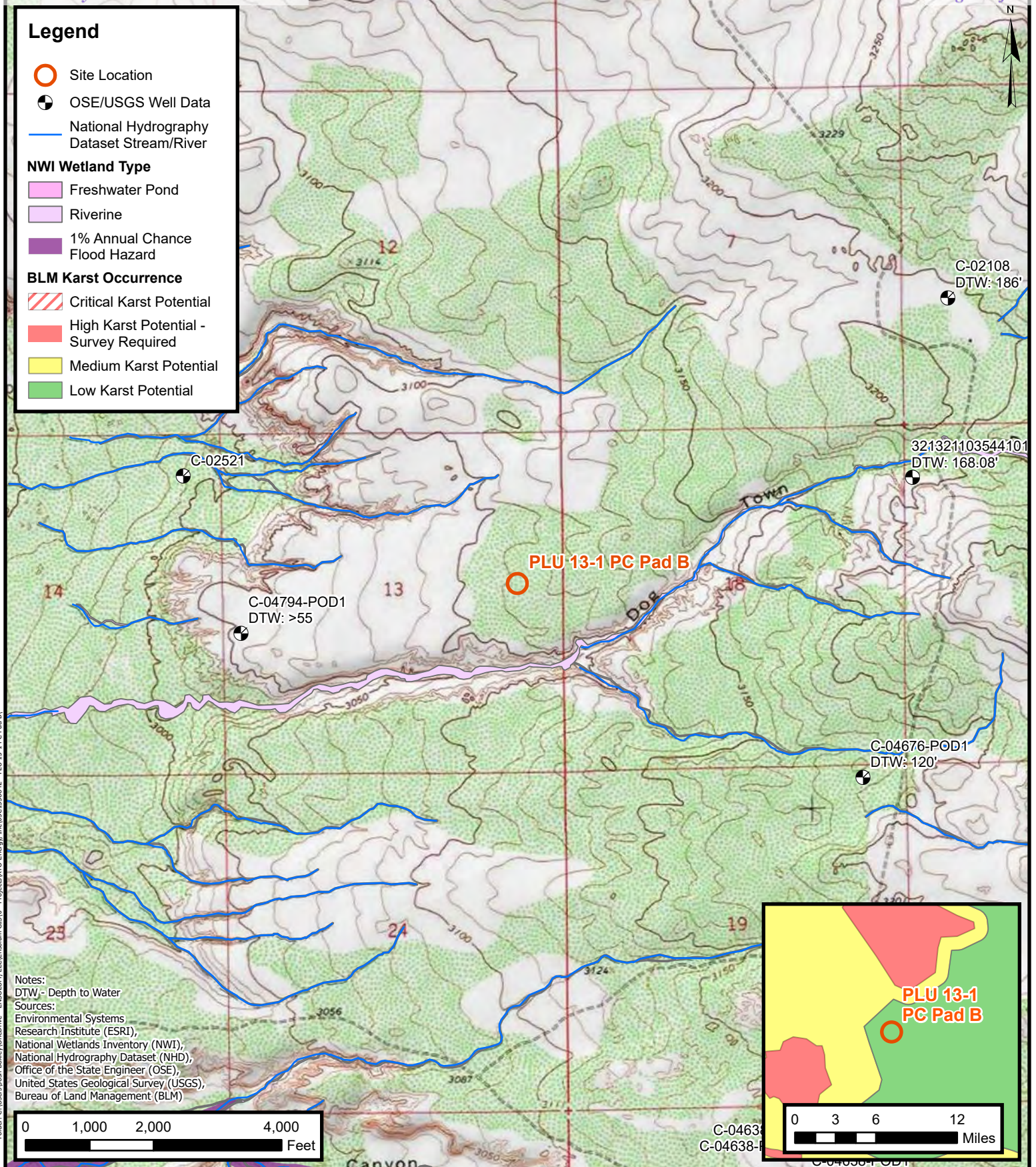
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Remediation Work Plan
PLU 13-1 PC Pad B



Appendix D Laboratory Analytical Reports & Chain-of-Custody Documentation



FIGURES



Site Receptor Map

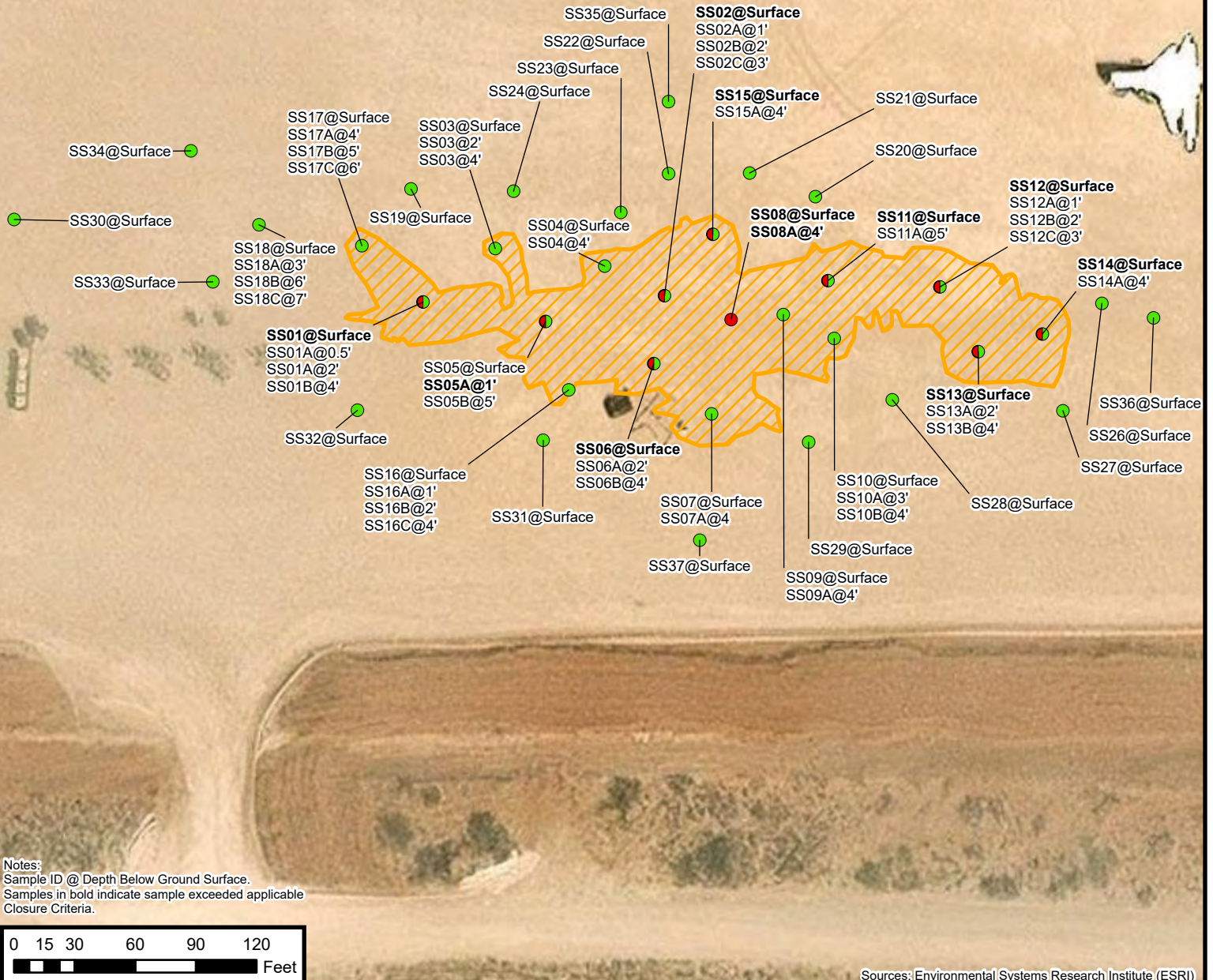
XTO Energy, Inc
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Unit H, Section 13, T 24S, R 29E
Eddy County, New Mexico

FIGURE

1

Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Exceeding Closure Criteria at Select Depths
- Delineation Soil Sample with Concentrations Exceeding Closure Criteria
- Release Extent



Delineation Soil Sample Locations

XTO Energy, Inc

PLU 13-1 PC Pad B

Incident Number: nAPP2606233467, nAPP2607627521

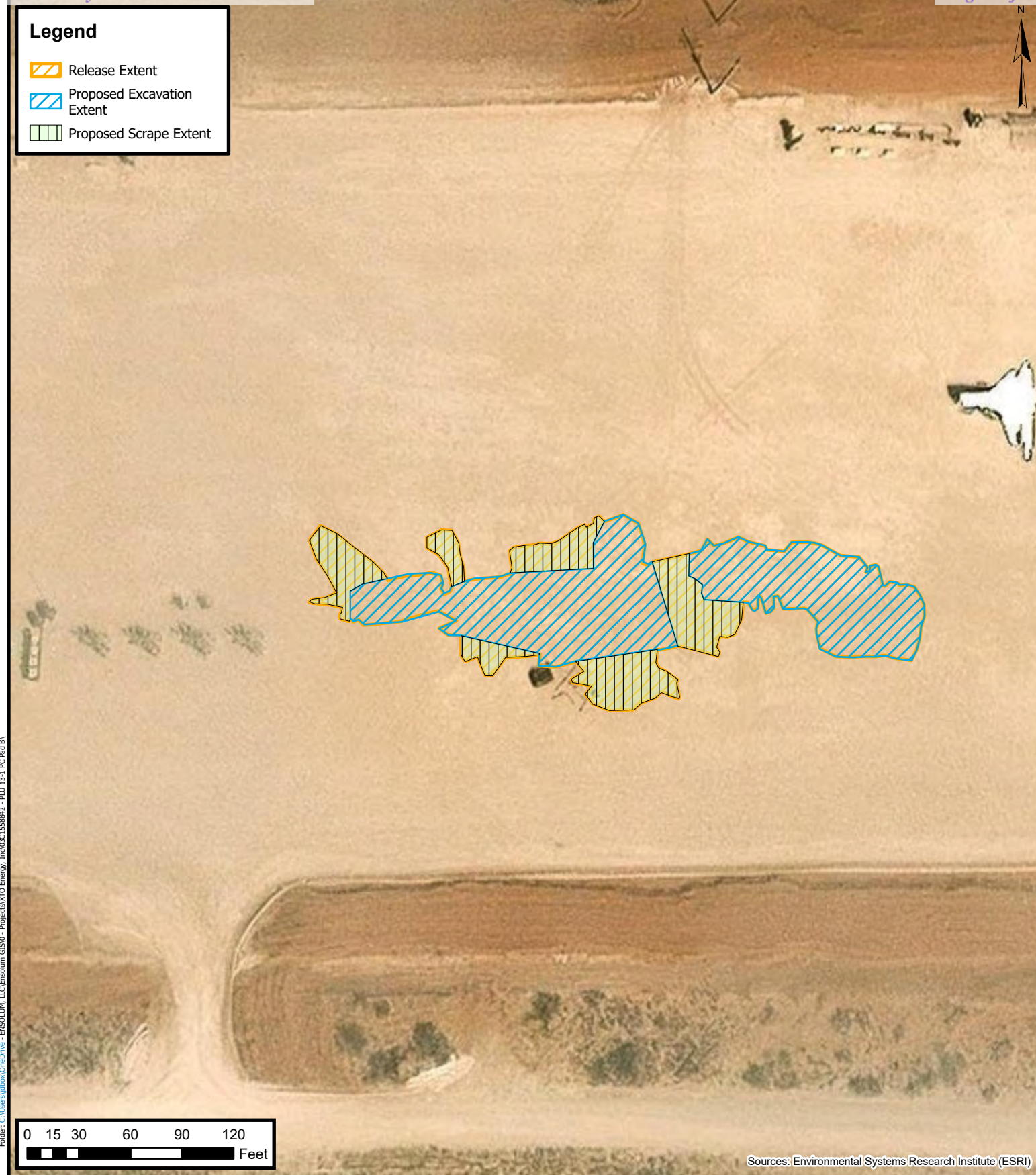
Unit H, Section 13, T 24S, R 29E

Eddy County, New Mexico

FIGURE

2





Proposed Excavation & Scrape Extent

XTO Energy, Inc
PLU 13-1 PC Pad B
Incident Number: nAPP2606233467, nAPP2607627521
Unit H, Section 13, T 24S, R 29E
Eddy County, New Mexico

FIGURE
3



TABLE



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
PLU 13-1 PC Pad B
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	03/16/2026	Surface	<0.050	<0.300	250	26,500	3,170	26,750	29,920	10,900
SS01A	03/16/2026	0.5	<0.050	<0.300	<10.0	657	91.4	657	748	4,000
SS01	08/20/2026	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,400
SS01A	08/20/2026	2	<0.050	<0.300	<10.0	38.9	<10.0	38.9	38.9	6,000
SS01B	08/20/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SS02	03/16/2026	Surface	<0.050	<0.300	193	23,900	3,780	24,093	27,873	9,300
SS02A	03/16/2026	0.5	<0.050	<0.300	33.2	3,840	633	3,873	4,506	7,300
SS02B	08/18/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
SS03	08/20/2026	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SS03A	08/20/2026	2	<0.050	<0.300	<10.0	20.5	<10.0	20.5	20.5	832
SS03B	08/20/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SS04	08/19/2026	Surface	<0.050	<0.300	<10.0	897	173	897	1,070	1,360
SS04A	08/19/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	832
SS05	08/19/2026	Surface	<0.050	<0.300	<10.0	261	38.3	261	299	800
SS05A	08/19/2026	1	<0.050	<0.300	17.7	4,170	819	4,188	5,007	2,130
SS05B	08/19/2026	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SS06	08/19/2026	Surface	<0.050	<0.300	<10.0	3,250	691	3,250	3,941	1,780
SS06A	08/19/2026	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
SS06B	08/19/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SS07	08/19/2026	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,840
SS07A	08/19/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SS08	08/18/2026	Surface	<0.050	<0.300	130	24,000	4,110	24,130	28,240	4,080
SS08A	08/18/2026	4	<0.050	<0.300	<10.0	1,250	221	1,250	1,471	432
SS09	08/18/2026	Surface	<0.050	<0.300	<10.0	81.0	<10.0	81.0	81.0	1,920
SS09A	08/18/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112



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PLU 13-1 PC Pad B
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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
SS10	08/19/2026	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SS10A	08/19/2026	3	<0.050	<0.300	<10.0	46.9	<10.0	46.9	46.9	192
SS10B	08/19/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SS11	08/18/2026	Surface	<0.050	<0.300	139	18,900	2,800	19,039	21,839	23,200
SS11A	08/18/2026	5	<0.050	<0.300	<10.0	19.2	<10.0	19.2	19.2	208
SS12	08/18/2026	Surface	<0.050	<0.300	181	29,800	4,740	29,981	34,721	256
SS12A	08/18/2026	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,840
SS12B	08/18/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS13	08/18/2026	Surface	<0.050	<0.300	<50.0	6,270	1,360	6,270	7,630	1,360
SS13A	08/18/2026	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,800
SS13B	08/18/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SS14	08/19/2026	Surface	<0.050	<0.300	40.0	4,670	734	4,710	5,444	1,900
SS14A	08/19/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
SS15	08/18/2026	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	26,800
SS15A	08/18/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS16	08/20/2026	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	928
SS16A	08/20/2026	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	576
SS16B	08/20/2026	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SS16C	08/20/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS17	08/20/2026	Surface	<0.050	<0.300	<10.0	51.0	25.6	51.0	76.6	4,320
SS17A	08/20/2026	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,360
SS17B	08/20/2026	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,120
SS17C	08/20/2026	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SS18	08/20/2026	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	912
SS18A	08/20/2026	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,940
SS18B	08/20/2026	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SS18C	08/20/2026	7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	832



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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
SS19	08/19/2026	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SS20	08/18/2026	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
SS21	08/18/2026	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SS22	08/18/2026	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SS23	08/18/2026	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SS24	08/18/2026	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SS26	08/18/2026	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SS27	08/19/2026	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SS28	08/19/2026	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SS29	08/19/2026	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS30	08/21/2026	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
SS31	08/18/2026	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SS32	08/18/2026	Surface	<0.050	<0.300	<10.0	22.3	<10.0	22.3	22.3	<16.0
SS33	08/18/2026	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
SS34	08/19/2026	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
SS35	08/20/2026	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SS36	08/20/2026	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SS37	08/20/2026	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480

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.) C-4796 C-04794 <i>POD1</i>		WELL TAG ID NO.		OSE FILE NO(S). C-4796 C-04794	
	WELL OWNER NAME(S) DEVON ENERGY RESOURCES				PHONE (OPTIONAL) 405-318-4697	
	WELL OWNER MAILING ADDRESS 205 E BENDER ROAD # 150				CITY STATE ZIP HOBBS NM 88240	
	WELL LOCATION (FROM GPS)	LATITUDE	DEGREES 32	MINUTES 12	SECONDS 58.392	N
		LONGITUDE	-103	56	45.1608	
* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84						
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE CORRAL DRAW AQH FEDERAL # 001						

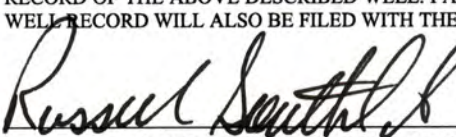
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1184		NAME OF LICENSED DRILLER RUSSELL SOUTHERLAND		NAME OF WELL DRILLING COMPANY WEST TEXAS WATER WELL SERVICE			
	DRILLING STARTED 1/19/2024		DRILLING ENDED 1/19/2024		DEPTH OF COMPLETED WELL (FT) 55			
	BORE HOLE DEPTH (FT) 55		DEPTH WATER FIRST ENCOUNTERED (FT)					
	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:							
	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						
			NO CASING IN HOLE					

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
			N/A			

FOR OSE INTERNAL USE

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

FILE NO. C-04794	POD NO.	TRN NO. 754018
LOCATION 24S. 29E. 13. 113	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)	
	FROM	TO					
	0	10		TAN SAND AND CALICHIE	Y ✓ N		
	10	55		RED SANDSTONE	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: DRY HOLE				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:					
OSE DTI FEB 5 2024 PM 2:17 PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: RUSSELL SOUTHERLAND							
6. SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.  SIGNATURE OF DRILLER / PRINT SIGNEE NAME RUSSELL SOUTHERLAND DATE						

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 04/30/2019)	
FILE NO. C-04796	POD NO.	TRN NO. 754018	
LOCATION 245.29 E. 13. 113.	WELL TAG ID NO.		PAGE 2 OF 2



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: C-4796-POD1, C-04794 POD1
 Well owner: DEVON ENERGY RESOURCES Phone No.: 405-318-4697
 Mailing address: 205 E BENDER ROAD # 150
 City: HOBBS State: NEW MEXICO Zip code: 88240

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: WEST TEXAS WATER WELL SERVICE
- 2) New Mexico Well Driller License No.: WD-1184 Expiration Date: 10/2024
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):
RUSSELL SOUTHERLAND
- 4) Date well plugging began: 1/23/2024 Date well plugging concluded: 1/23/2024
- 5) GPS Well Location: Latitude: 32 deg, 12 min, 58.392 sec
 Longitude: -103 deg, 56 min, 45.1608 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 55 ft below ground level (bgl),
 by the following manner: _____
- 7) Static water level measured at initiation of plugging: N/A ft bgl OSC DTI FEB 5 2024 PM 2:08
- 8) Date well plugging plan of operations was approved by the State Engineer: 12/8/2023
- 9) Were all plugging activities consistent with an approved plugging plan? YES If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

- For each interval plugged, describe within the following columns:**

[illegible]

USE OF FEB 5 2024 PM 2:03

MULTIPLY		BY	AND OBTAIN
cubic feet	x	7.4805	= gallons
cubic yards	x	201.97	= gallons

I, RUSSELL SOUTHERLAND, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Russell South
Signature of Well Driller

1/31/2024

Date _____



APPENDIX B

Photographic Log

Photographic Log

XTO Energy, Inc.

PLU 13-1 PC Pad B

nAPP2606233467, nAPP2607627521

Photograph 1	Date 3/16/2026	Date & Time: Mon, Mar 16, 2026 at 12:39:49 MDT Position: +082.216812° / -103.932003° (±34.9ft) Altitude: 3127ft (±30.5ft) Datum: WGS-84 Azimuth/Bearing: 177° S08E 3147mils True (±11°) Ensolum 
Description Release area within ongoing operations.		
View South		

Photograph 2	Date 3/16/2026	Date & Time: Mon, Mar 16, 2026 at 14:34:47 MDT Position: +082.218201° / -103.932842° (±10.9ft) Altitude: 3120ft (±9.8ft) Datum: WGS-84 Azimuth/Bearing: 326° N34W 5796mils True (±11°) Ensolum 
Description Release area within ongoing operations.		
View Northwest		



ENSOLUM

Photographic Log

XTO Energy, Inc.

PLU 13-1 PC Pad B

nAPP2606233467, nAPP2607627521

<u>Photograph</u> 3	<u>Date</u> 8/21/2026	
<u>Description</u> Release extent in vicinity of well heads.		
<u>View</u> West		
<u>Photograph</u> 4	<u>Date</u> 8/18/2026	
<u>Description</u> Staining in eastern release extent.		
<u>View</u> West		



Photographic Log

XTO Energy, Inc.

PLU 13-1 PC Pad B

nAPP2606233467, nAPP2607627521

<u>Photograph</u> 5	<u>Date</u> 8/18/2026	
<u>Description</u> Mechanical delineation in vicinity of SS11.		
<u>View</u> West		
<u>Photograph</u> 6	<u>Date</u> 8/19/2026	
<u>Description</u> Mechanical delineation in vicinity of SS07.		
<u>View</u> East		



Photographic Log

XTO Energy, Inc.

PLU 13-1 PC Pad B

nAPP2606233467, nAPP2607627521

<u>Photograph</u> 7	<u>Date</u> 8/20/2026	
<u>Description</u> Mechanical delineation in vicinity of SS01.		
<u>View</u> Northeast		
<u>Photograph</u> 8	<u>Date</u> 8/21/2026	
<u>Description</u> Staining in western release extent in vicinity of well heads.		
<u>View</u> Southwest		



APPENDIX C

Lithologic Soil Sampling Logs

 ENSOLUM		Sample Name: SS01		Date: 08/20/2026				
		Site Name: PLU 13-1 PC Pad B						
		Incident Number: nAPP2606233467, nAPP2607627521						
		Job Number: 03C1558842						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.2182442, -103.9324123			Logged By: DO		Method: Backhoe			
			Hole Diameter: 2 feet		Total Depth: 4 feet			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	3,007.0	2.6	Y	SS01	Surface	0	CCHE	(0-2') Light brown medium to coarse sand, white small to large gravel, non-cohesive, well graded, faint odor
D	5,348.0	3.4	N			1		(@1') No odor
D	6,266.0	1.5	N	SS01A	2	2	SP-SM	(2'-4') Dark brown fine to medium sand, non-cohesive, poorly graded, no odor
D	296.0	1.9	N			3		
D	<179	0.2	N	SS01B	4	4		
Total depth @ 4 feet bgs								

 ENSOLUM		Sample Name: SS02		Date: 08/18/2026				
		Site Name: PLU 13-1 PC Pad B						
		Incident Number: nAPP2606233467, nAPP2607627521						
		Job Number: 03C1558842						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.2182456, -103.9320231			Logged By: DO		Method: Backhoe			
			Hole Diameter: 2 feet		Total Depth: 4 feet			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	2,514.0	4.0	Y	SS02	Surface	0	CCHE	(0-2') Light brown medium to coarse sand, white small to large gravel, non-cohesive, well graded, faint odor
D	431.0	2.6	N	SS2A		1		(@1') No odor
D	<179	4.6	N			2	SP-SM	(2'-4') Dark brown fine to medium sand, non-cohesive, poorly graded, no odor
D	179.0	2.9	N			3		
D	218.0	3.7	N	SS02B	4	4		
Total depth @ 4 feet bgs. SS02 and SS02A were collected on March 16, 2026.								

 ENSOLUM		Sample Name: SS03		Date: 08/20/2026				
		Site Name: PLU 13-1 PC Pad B						
		Incident Number: nAPP2606233467, nAPP2607627521						
		Job Number: 03C1558842						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.2183197, -103.9322990			Logged By: DO		Method: Backhoe			
			Hole Diameter: 2 feet		Total Depth: 4 feet			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	<179	2.3	Y	SS03	Surface	0	CCHE	(0-2') Light brown fine to medium sand, white small to large gravel, non-cohesive, well graded, faint odor
D	296.0	2.7	N			1		(@1') No odor
D	1,019.0	1.1	N	SS03A	2	2	SP-SM	(2'-4') Light brown to dark brown medium sand, white small to large gravel, non-cohesive, well graded, no odor
D	218.0	1.0	N			3		
D	252.0	0.1	N	SS03B	4	4		
Total depth @ 4 feet bgs								

 ENSOLUM		Sample Name: SS04		Date: 08/19/2026				
		Site Name: PLU 13-1 PC Pad B						
		Incident Number: nAPP2606233467, nAPP2607627521						
		Job Number: 03C1558842						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.2182950, -103.9321183			Logged By: DO		Method: Backhoe			
			Hole Diameter: 2 feet		Total Depth: 4 feet			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	2,072.0	0.4	Y	SS04	Surface	0	CCHE	(0-2') White and light brown small to large gravel, light brown coarse sand, non-cohesive, well graded, faint odor
D	1,988.0	3.1	N			1		(@1') No odor
D	789.0	0.9	N			2	SP-SM	(2'-4') Brown fine to medium sand, brown samll gravel, non-cohesive, well graded, no odor
D	1,988.0	0.0	N			3		
D	<179	4.3	N	SS04A	4	4		
Total depth @ 4 feet bgs								

 ENSOLUM		Sample Name: SS05		Date: 08/19/2026				
		Site Name: PLU 13-1 PC Pad B						
		Incident Number: nAPP2606233467, nAPP2607627521						
		Job Number: 03C1558842						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.2182224, -103.9322075			Logged By: DO		Method: Backhoe			
			Hole Diameter: 2 feet		Total Depth: 5 feet			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	1,192.0	0.7	Y	SS05	Surface	0	CCHE	(0-2') White and light brown small to large gravel, light brown coarse sand, non-cohesive, well graded, faint odor
D	3,281.0	0.5	N	SS05A	1	1		(@1') No odor
D	<179	0.1	N			2	SP-SM	(2'-5') Brown fine to medium sand, brown small gravel, non-cohesive, well graded, no odor
D	<179	0.0	N			3		
D	3,007.0	0.6	N			4		
D	179.0	0.2	N	SS05B	5	5		
Total depth @ 5 feet bgs								

 ENSOLUM		Sample Name: SS06		Date: 08/19/2026				
		Site Name: PLU 13-1 PC Pad B						
		Incident Number: nAPP2606233467, nAPP2607627521						
		Job Number: 03C1558842						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.2181611, -103.9320378			Logged By: DO		Method: Backhoe			
			Hole Diameter: 2 feet		Total Depth: 4 feet			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	2,755.0	0.0	Y	SS06	Surface	0	CCHE	(0-2') Light brown fine to medium sand, white small gravel, well graded, non-cohesive, well graded, faint odor
D	2,755.0	0.1	N			1		(@1') No odor
D	431.0	0.0	N	SS06A	2	2	SP-SM	(2'-4') Brown to dark brown medium sand, dark brown small to large gravel, non-cohesive, no odor
D	218.0	0.0	N			3		
D	<179	1.5	N	SS06B	4	4		
Total depth @ 4 feet bgs								

 ENSOLUM		Sample Name: SS07		Date: 08/19/2026				
		Site Name: PLU 13-1 PC Pad B						
		Incident Number: nAPP2606233467, nAPP2607627521						
		Job Number: 03C1558842						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.2180953, -103.9319460			Logged By: DO		Method: Backhoe			
Hole Diameter: 2 feet			Total Depth: 4 feet					
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	218.0	0.5	Y	SS07	Surface	0	CCHE	(0-2') Light brown fine to medium sand, white small gravel, well graded, non-cohesive, well grade, faint odor
D	179.0	0.4	N			1		(@1') No odor
D	336.0	0.3	N			2	SP-SM	(2'-4') Brown to dark brown medium sand, dark brown small to large gravel, non-cohesive, no odor
D	593.0	0.0	N			3		
D	<179	2.7	N	SS07A	4	4		
Total depth @ 4 feet bgs								

 ENSOLUM		Sample Name: SS08		Date: 08/18/2026				
		Site Name: PLU 13-1 PC Pad B						
		Incident Number: nAPP2606233467, nAPP2607627521						
		Job Number: 03C1558842						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.2182201, -103.9319259			Logged By: DO		Method: Backhoe			
			Hole Diameter: 2 feet		Total Depth: 4 feet			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	4,205.0	4.5	Y	SS08	Surface	0	CCHE	(0-2') Light brown fine silty sand, white to dark brown small to large gravel, non-cohesive, faint odor
D	1,988.0	6.1	N			1		
D	252.0	4.1	N			2	SP-SM	(2'-4') Brown fine silty sand, white to dark brown small to large gravel, non-cohesive, well graded, faint odor
D	<179	4.4	N			3		
D	252.0	4.6	N	SS08A	4	4		
Total depth @ 4 feet bgs								

								Sample Name: SS09		Date: 08/18/2026			
								Site Name: PLU 13-1 PC Pad B					
								Incident Number: nAPP2606233467, nAPP2607627521					
								Job Number: 03C1558842					
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: DO		Method: Backhoe			
Coordinates: 32.2182269, -103.9318333								Hole Diameter: 2 feet		Total Depth: 4 feet			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.													
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions					
D	2,755.0	4.9	N	SS09	Surface	0	CCHE	(0-2') Pale beige sand with silt, small to large pale gravel, poorly graded, trace odor.					
D	218.0	5.4	N			1		(@1') No odor.					
D	296.0	2.2	N			2	SP-SM	(2-4') dark brown fine grained sand, poorly graded, subrounded, no odor.					
D	252.0	2.8	N			3							
D	<179	4.2	N	SS09A	4	4							
Total depth @ 4 feet bgs													

 ENSOLUM		Sample Name: SS10		Date: 08/19/2026				
		Site Name: PLU 13-1 PC Pad B						
		Incident Number: nAPP2606233467, nAPP2607627521						
		Job Number: 03C1558842						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.2181917, -103.9317555			Logged By: DO		Method: Backhoe			
Hole Diameter: 2 feet			Total Depth: 4 feet					
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	218.0	1.4	Y	SS10	Surface	0	CCHE	(0-2') Light brown fine to medium sand, white small gravel, well graded, non-cohesive, well grade, faint odor
D	179.0	0.0	N			1		(@1') No odor
D	336.0	0.0	N			2	SP-SM	(2'-4') Brown to dark brown medium sand, dark brown small to large gravel, non-cohesive, no odor
D	593.0	1.4	N	SS10A	3	3		
D	<179	1.1	N	SS10B	4	4		
Total depth @ 4 feet bgs								

 ENSOLUM		Sample Name: SS11		Date: 08/18/2026				
		Site Name: PLU 13-1 PC Pad B						
		Incident Number: nAPP2606233467, nAPP2607627521						
		Job Number: 03C1558842						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.2182751, -103.9317589			Logged By: DO		Method: Backhoe			
			Hole Diameter: 2 feet		Total Depth: 5 feet			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	35,784	3.1	Y	SS11	Surface	0	CCHE	(0-2') Light brown fine to medium sand, white small to large gravel, non-cohesive, well graded, faint odor
D	5,348.0	6.1	N			1		(@1') No odor
D	4,939.0	4.3	N			2	SP-SM	(2'-5') Light brown to dark brown medium sand, white small to large gravel, non-cohesive, well graded, no odor
D	862.0	4.3	N			3		
D	790.0	4.4	N			4		
D	336.0	1.9	N	SS11A	5	5		
Total depth @ 5 feet bgs								

 ENSOLUM		Sample Name: SS12		Date: 08/18/2026				
		Site Name: PLU 13-1 PC Pad B						
		Incident Number: nAPP2606233467, nAPP2607627521						
		Job Number: 03C1558842						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.2182575, -103.9315805			Logged By: DO		Method: Backhoe			
			Hole Diameter: 2 feet		Total Depth: 4 feet			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	252.0	2.7	Y	SS12	Surface	0	CCHE	(0-2') White and light brown small to large gravel, light brown coarse sand, non-cohesive, well graded, faint odor
D	2,755.0	5.5	N	SS12A	1	1		(@1') No odor
D	1,192.0	9.2	N			2	SP-SM	(2'-4') Brown fine to medium sand, brown samll gravel, non-cohesive, well graded, no odor
D	252.0	5.0	N			3		
D	<179	5.3	N	SS12B	4	4		
Total depth @ 4 feet bgs								

 ENSOLUM		Sample Name: SS13		Date: 08/18/2026				
		Site Name: PLU 13-1 PC Pad B						
		Incident Number: nAPP2606233467, nAPP2607627521						
		Job Number: 03C1558842						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.2181730, -103.9315262			Logged By: DO		Method: Backhoe			
			Hole Diameter: 2 feet		Total Depth: 4 feet			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	3,567.0	1.6	Y	SS13	Surface	0	CCHE	(0-2') White and light brown small to large gravel, light brown coarse sand, non-cohesive, well graded, faint odor
D	252.0	5.3	N			1		(@1') No odor
D	5,348.0	4.8	N	SS13A	2	2	SP-SM	(2'-4') Brown fine to medium sand, brown small gravel, non-cohesive, well graded, no odor
D	2,755.0	2.8	N			3		
D	<179	6.1	N	SS13B	4	4		
Total depth @ 4 feet bgs								

 ENSOLUM		Sample Name: SS14		Date: 08/19/2026				
		Site Name: PLU 13-1 PC Pad B						
		Incident Number: nAPP2606233467, nAPP2607627521						
		Job Number: 03C1558842						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.2182011, -103.9314266			Logged By: DO		Method: Backhoe			
			Hole Diameter: 2 feet		Total Depth: 4 feet			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	3,007.0	2.0	Y	SS14	Surface	0	CCHE	(0-2') Light brown medium to coarse sand, white small to large gravel, non-cohesive, well graded, faint odor
D	2,755.0	0.0	N			1		(@1') No odor
D	789.0	0.0	N			2	SP-SM	(2'-4') Dark brown fine to medium sand, non-cohesive, poorly graded, no odor
D	<179	0.2	N			3		
D	296.0	1.2	N	SS14A	4	4		
Total depth @ 4 feet bgs								

 ENSOLUM		Sample Name: SS15		Date: 08/18/2026				
		Site Name: PLU 13-1 PC Pad B						
		Incident Number: nAPP2606233467, nAPP2607627521						
		Job Number: 03C1558842						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.2183364, -103.9319453			Logged By: DO		Method: Backhoe			
			Hole Diameter: 2 feet		Total Depth: 4 feet			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	31,337	1.4	Y	SS15	Surface	0	CCHE	(0-2') White and light brown small to large gravel, light brown coarse sand, non-cohesive, well graded, faint odor
D	3,875.0	5.6	N			1		(@1') No odor
D	<179	5.2	N			2	SP-SM	(2'-5') Brown fine to medium sand, brown samll gravel, non-cohesive, well graded, no odor
D	<179	4.2	N			3		
D	<179	3.5	N	SS15A	4	4		
Total depth @ 4 feet bgs								

 ENSOLUM		Sample Name: SS16		Date: 08/20/2026				
		Site Name: PLU 13-1 PC Pad B						
		Incident Number: nAPP2606233467, nAPP2607627521						
		Job Number: 03C1558842						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.2181268, -103.9321790			Logged By: DO		Method: Backhoe			
			Hole Diameter: 2 feet		Total Depth: 4 feet			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	1,724.0	1.7	Y	SS16	Surface	0	CCHE	(0-2') Pale beige sand with silt, small to large pale gravel, poorly graded, trace odor.
D	722.0	1.7	N	SS16A	1	1		(@1') No odor.
D	<179	1.5	N	SS16B	2	2	SP-SM	(2-4') dark brown fine grained sand, poorly graded, subrounded, no odor.
D	179.0	1.2	N			3		
D	<179	0.2	N	SS16C	4	4		
Total depth @ 4 feet bgs								

 ENSOLUM		Sample Name: SS17		Date: 08/20/2026				
		Site Name: PLU 13-1 PC Pad B						
		Incident Number: nAPP2606233467, nAPP2607627521						
		Job Number: 03C1558842						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.2183259, -103.9325062			Logged By: DO		Method: Backhoe			
			Hole Diameter: 2 feet		Total Depth: 6 feet			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	4,558.0	1.7	N	SS17	Surface	0	CCHE	(0-2') Beige sand with silt, small to large pale gravel, poorly graded, non-cohesive, trace odor.
D	1,489.0	1.9	N			1		(@1') No odor.
D	1,489.0	2.6	N			2	SP-SM	(2-6') dark brown fine grained sand, poorly graded, subrounded, no odor.
D	3,567.0	0.4	N			3		
D	3,875.0	0.6	N	SS17A	4	4		
D	3,007.0	0.3	N	SS17B	5	5		
D	655.0	0.0	N	SS17C	6	6		
Total depth @ 6 feet bgs								

 ENSOLUM		Sample Name: SS18		Date: 08/20/2026				
		Site Name: PLU 13-1 PC Pad B						
		Incident Number: nAPP2606233467, nAPP2607627521						
		Job Number: 03C1558842						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.2183548, -103.9326705			Logged By: DO		Method: Backhoe			
			Hole Diameter: 2 feet		Total Depth: 7 feet			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	2,284.0	2.1	N	SS18	Surface	0	CCHE	(0-2') Beige sand with silt, small to large pale gravel, poorly graded, non-cohesive, trace odor.
D	1,848.0	0.9	N			1		
D	266.0	1.8	N			2	SP-SM	(2-7') dark brown fine grained sand, poorly graded, subrounded, no odor.
D	3,007.0	1.9	N	SS18A	3	3		
D	2,133.0	0.0	N			4		
D	1,601.0	0.0	N			5		
D	593.0	0.0	N	SS18B	6	6		
D	481.0	0.1	N	SS18C	7	7		
Total depth @ 7 feet bgs								



APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



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

March 23, 2026

JOSHUA BOXLEY

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: PLU 13-1 PC PAD B

Enclosed are the results of analyses for samples received by the laboratory on 03/17/26 14:00.

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
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	03/17/2026	Sampling Date:	03/16/2026
Reported:	03/23/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC PAD B	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.2182431-103.931957		

Sample ID: SS01 SURFACE (H261479-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2026	ND	1.99	99.3	2.00	1.05	
Toluene*	<0.050	0.050	03/18/2026	ND	1.77	88.7	2.00	0.327	
Ethylbenzene*	<0.050	0.050	03/18/2026	ND	1.73	86.3	2.00	0.0485	
Total Xylenes*	<0.150	0.150	03/18/2026	ND	5.12	85.4	6.00	0.368	
Total BTEX	<0.300	0.300	03/18/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10900	16.0	03/18/2026	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: JF						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	250	50.0	03/18/2026	ND	186	93.0	200	1.41		
DRO >C10-C28*	26500	50.0	03/18/2026	ND	194	96.8	200	2.31		
EXT DRO >C28-C36	3170	50.0	03/18/2026	ND						

Surrogate: 1-Chlorooctane 102 % 52.4-130

Surrogate: 1-Chlorooctadecane 1840 % 39.9-141

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
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 03/17/2026
Reported: 03/23/2026
Project Name: PLU 13-1 PC PAD B
Project Number: 03C1558842
Project Location: XTO 32.2182431-103.931957

Sampling Date: 03/16/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SS01A 0.5' (H261479-02)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2026	ND	1.99	99.3	2.00	1.05	
Toluene*	<0.050	0.050	03/18/2026	ND	1.77	88.7	2.00	0.327	
Ethylbenzene*	<0.050	0.050	03/18/2026	ND	1.73	86.3	2.00	0.0485	
Total Xylenes*	<0.150	0.150	03/18/2026	ND	5.12	85.4	6.00	0.368	
Total BTX	<0.300	0.300	03/18/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 70.4-141

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	03/18/2026	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2026	ND	186	93.0	200	1.41	
DRO >C10-C28*	657	10.0	03/17/2026	ND	194	96.8	200	2.31	
EXT DRO >C28-C36	91.4	10.0	03/17/2026	ND					

Surrogate: 1-Chlorooctane 82.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 88.9 % 39.9-141

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
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 03/17/2026
Reported: 03/23/2026
Project Name: PLU 13-1 PC PAD B
Project Number: 03C1558842
Project Location: XTO 32.2182431-103.931957

Sampling Date: 03/16/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SS02 SURFACE (H261479-03)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2026	ND	1.99	99.3	2.00	1.05		
Toluene*	<0.050	0.050	03/18/2026	ND	1.77	88.7	2.00	0.327		
Ethylbenzene*	<0.050	0.050	03/18/2026	ND	1.73	86.3	2.00	0.0485		
Total Xylenes*	<0.150	0.150	03/18/2026	ND	5.12	85.4	6.00	0.368		
Total BTEX	<0.300	0.300	03/18/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.9 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9300	16.0	03/18/2026	ND	432	108	400	0.00		

TPH 8015M	mg/kg		Analyzed By: JF					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	193	50.0	03/18/2026	ND	186	93.0	200	1.41	
DRO >C10-C28*	23900	50.0	03/18/2026	ND	194	96.8	200	2.31	
EXT DRO >C28-C36	3780	50.0	03/18/2026	ND					

Surrogate: 1-Chlorooctane 105 % 52.4-130

Surrogate: 1-Chlorooctadecane 875 % 39.9-141

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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
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 03/17/2026
Reported: 03/23/2026
Project Name: PLU 13-1 PC PAD B
Project Number: 03C1558842
Project Location: XTO 32.2182431-103.931957

Sampling Date: 03/16/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SS02A 0.5' (H261479-04)

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	03/18/2026	ND	1.99	99.3	2.00	1.05		
Toluene*	<0.050	0.050	03/18/2026	ND	1.77	88.7	2.00	0.327		
Ethylbenzene*	<0.050	0.050	03/18/2026	ND	1.73	86.3	2.00	0.0485		
Total Xylenes*	<0.150	0.150	03/18/2026	ND	5.12	85.4	6.00	0.368		
Total BTEx	<0.300	0.300	03/18/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7300	16.0	03/18/2026	ND	432	108	400	0.00		

TPH 8015M	mg/kg		Analyzed By: JF					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	33.2	10.0	03/17/2026	ND	186	93.0	200	1.41	
DRO >C10-C28*	3840	10.0	03/17/2026	ND	194	96.8	200	2.31	
EXT DRO >C28-C36	633	10.0	03/17/2026	ND					

Surrogate: 1-Chlorooctane 80.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 191 % 39.9-141

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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

Company Name: Ensolum, LLC		BILL TO		ANALYSIS REQUEST																	
Project Manager: Joshua Boxley		P.O. #: 5																			
Address: 3122 National Parks Hwy		Company: XTO Energy, Inc																			
City: Carlsbad		Attn: Dale Woodall																			
State: NM		Address: 3104 E Greene St																			
Zip: 88220																					
Phone #: 580-730-1308		City: Carlsbad																			
Fax #:		State: NM																			
Project #: 03C1558842		Zip: 88220																			
Project Owner: XTO Energy, Inc																					
Project Name: PLU 13-1 PC Pad B																					
Project Location: 32.2182431, -103.9318957																					
Sampler Name: Chloe James		Phone #: 5																			
Fax #: 5																					
FOR LAB USE ONLY																					
Lab I.D.		Sample I.D.		Depth (feet)		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING							
H261479		SS01		Surface		G		1		GROUNDWATER				DATE		TIME					
1		SS01A		0.5'		G		1		WASTEWATER				3/16/2026		1235					
3		SS02		Surface		G		1		SOIL				3/16/2026		1237					
4		SS02A		0.5'		G		1		OIL				3/16/2026		1246					
										SLUDGE				3/16/2026		1250					
										OTHER :											
										ACID/BASE:											
										ICE / COOL											
										OTHER :											
PLEASE NOTE: Liability and Damages. Cardinal's facility and clients' exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. 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: <i>Chloe James</i>		Date: 3-17-26		Received By: <i>Joshua Boxley</i>		Date: 3-17-26		Time: 1:40		Sample Condition: Cool ☒ Intact ☒ Yes ☒ No ☒ Yes ☒ No		CHECKED BY: <i>JS</i>		Turnaround Time: Standard ☒ Rush ☐		Thermometer ID #140		Correction Factor +0.3C, +0.1C			
Relinquished By:		Date:		Received By:		Date:		Time:		Sample Condition:		CHECKED BY:		Turnaround Time:		Thermometer ID #140		Correction Factor			
Delivered By: (Circle One)		Observed Temp. °C 1.8		Corrected Temp. °C 1.9		Sample Condition: Cool ☒ Intact ☒ Yes ☒ No ☒ Yes ☒ No		CHECKED BY: <i>JS</i>		Turnaround Time: Standard ☒ Rush ☐		Thermometer ID #140		Correction Factor +0.3C, +0.1C		Bacteria (only) Sample Condition: Cool ☒ Intact ☒ Yes ☒ No ☒ Yes ☒ No		Observed Temp. °C		Corrected Temp. °C	
Sampler - UPS - Bus - Other: FORM-006 R 3.6 02/12/25																					

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



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

August 26, 2026

JOSHUA BOXLEY

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: PLU 13-1 PC PAD B

Enclosed are the results of analyses for samples received by the laboratory on 08/20/26 13:39.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C26-00106. 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
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/20/2026	Sampling Date:	08/18/2026
Reported:	08/26/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC PAD B	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.2182431-103.9318957		

Sample ID: SS 20 SURFACE (H264913-01)

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	08/22/2026	ND	2.08	104	2.00	9.36	
Toluene*	<0.050	0.050	08/22/2026	ND	2.22	111	2.00	6.80	
Ethylbenzene*	<0.050	0.050	08/22/2026	ND	2.17	109	2.00	5.41	
Total Xylenes*	<0.150	0.150	08/22/2026	ND	6.70	112	6.00	4.51	
Total BTEX	<0.300	0.300	08/22/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 70.7-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	08/24/2026	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2026	ND	192	96.2	200	0.875	
DRO >C10-C28*	<10.0	10.0	08/21/2026	ND	188	94.2	200	0.556	
EXT DRO >C28-C36	<10.0	10.0	08/21/2026	ND					

Surrogate: 1-Chlorooctane 69.9 % 48-117

Surrogate: 1-Chlorooctadecane 62.9 % 39-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 08/20/2026
Reported: 08/26/2026
Project Name: PLU 13-1 PC PAD B
Project Number: 03C1558842
Project Location: XTO 32.2182431-103.9318957

Sampling Date: 08/18/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SS 21 SURFACE (H264913-02)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2026	ND	2.08	104	2.00	9.36	
Toluene*	<0.050	0.050	08/22/2026	ND	2.22	111	2.00	6.80	
Ethylbenzene*	<0.050	0.050	08/22/2026	ND	2.17	109	2.00	5.41	
Total Xylenes*	<0.150	0.150	08/22/2026	ND	6.70	112	6.00	4.51	
Total BTX	<0.300	0.300	08/22/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 70.7-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/24/2026	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2026	ND	192	96.2	200	0.875	
DRO >C10-C28*	<10.0	10.0	08/21/2026	ND	188	94.2	200	0.556	
EXT DRO >C28-C36	<10.0	10.0	08/21/2026	ND					

Surrogate: 1-Chlorooctane 79.2 % 48-117

Surrogate: 1-Chlorooctadecane 71.2 % 39-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 08/20/2026
Reported: 08/26/2026
Project Name: PLU 13-1 PC PAD B
Project Number: 03C1558842
Project Location: XTO 32.2182431-103.9318957

Sampling Date: 08/18/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SS 22 SURFACE (H264913-03)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/22/2026	ND	2.08	104	2.00	9.36		
Toluene*	<0.050	0.050	08/22/2026	ND	2.22	111	2.00	6.80		
Ethylbenzene*	<0.050	0.050	08/22/2026	ND	2.17	109	2.00	5.41		
Total Xylenes*	<0.150	0.150	08/22/2026	ND	6.70	112	6.00	4.51		
Total BTX	<0.300	0.300	08/22/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 70.7-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	08/24/2026	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2026	ND	192	96.2	200	0.875	
DRO >C10-C28*	<10.0	10.0	08/21/2026	ND	188	94.2	200	0.556	
EXT DRO >C28-C36	<10.0	10.0	08/21/2026	ND					

Surrogate: 1-Chlorooctane 68.5 % 48-117

Surrogate: 1-Chlorooctadecane 60.3 % 39-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 08/20/2026
Reported: 08/26/2026
Project Name: PLU 13-1 PC PAD B
Project Number: 03C1558842
Project Location: XTO 32.2182431-103.9318957

Sampling Date: 08/18/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SS 23 SURFACE (H264913-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/22/2026	ND	2.08	104	2.00	9.36		
Toluene*	<0.050	0.050	08/22/2026	ND	2.22	111	2.00	6.80		
Ethylbenzene*	<0.050	0.050	08/22/2026	ND	2.17	109	2.00	5.41		
Total Xylenes*	<0.150	0.150	08/22/2026	ND	6.70	112	6.00	4.51		
Total BTX	<0.300	0.300	08/22/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 70.7-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/24/2026	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2026	ND	192	96.2	200	0.875	
DRO >C10-C28*	<10.0	10.0	08/21/2026	ND	188	94.2	200	0.556	
EXT DRO >C28-C36	<10.0	10.0	08/21/2026	ND					

Surrogate: 1-Chlorooctane 77.8 % 48-117

Surrogate: 1-Chlorooctadecane 68.8 % 39-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 08/20/2026
Reported: 08/26/2026
Project Name: PLU 13-1 PC PAD B
Project Number: 03C1558842
Project Location: XTO 32.2182431-103.9318957

Sampling Date: 08/18/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SS 24 SURFACE (H264913-05)

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	08/22/2026	ND	2.08	104	2.00	9.36		
Toluene*	<0.050	0.050	08/22/2026	ND	2.22	111	2.00	6.80		
Ethylbenzene*	<0.050	0.050	08/22/2026	ND	2.17	109	2.00	5.41		
Total Xylenes*	<0.150	0.150	08/22/2026	ND	6.70	112	6.00	4.51		
Total BTEX	<0.300	0.300	08/22/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 70.7-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/24/2026	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2026	ND	192	96.2	200	0.875	
DRO >C10-C28*	<10.0	10.0	08/21/2026	ND	188	94.2	200	0.556	
EXT DRO >C28-C36	<10.0	10.0	08/21/2026	ND					

Surrogate: 1-Chlorooctane 78.9 % 48-117

Surrogate: 1-Chlorooctadecane 71.1 % 39-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 08/20/2026
Reported: 08/26/2026
Project Name: PLU 13-1 PC PAD B
Project Number: 03C1558842
Project Location: XTO 32.2182431-103.9318957

Sampling Date: 08/18/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SS 31 SURFACE (H264913-06)

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	08/22/2026	ND	2.08	104	2.00	9.36		
Toluene*	<0.050	0.050	08/22/2026	ND	2.22	111	2.00	6.80		
Ethylbenzene*	<0.050	0.050	08/22/2026	ND	2.17	109	2.00	5.41		
Total Xylenes*	<0.150	0.150	08/22/2026	ND	6.70	112	6.00	4.51		
Total BTEX	<0.300	0.300	08/22/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 70.7-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	08/24/2026	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2026	ND	192	96.2	200	0.875	
DRO >C10-C28*	<10.0	10.0	08/21/2026	ND	188	94.2	200	0.556	
EXT DRO >C28-C36	<10.0	10.0	08/21/2026	ND					

Surrogate: 1-Chlorooctane 77.4 % 48-117

Surrogate: 1-Chlorooctadecane 69.4 % 39-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 08/20/2026
Reported: 08/26/2026
Project Name: PLU 13-1 PC PAD B
Project Number: 03C1558842
Project Location: XTO 32.2182431-103.9318957

Sampling Date: 08/18/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SS 32 SURFACE (H264913-07)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/22/2026	ND	2.08	104	2.00	9.36		
Toluene*	<0.050	0.050	08/22/2026	ND	2.22	111	2.00	6.80		
Ethylbenzene*	<0.050	0.050	08/22/2026	ND	2.17	109	2.00	5.41		
Total Xylenes*	<0.150	0.150	08/22/2026	ND	6.70	112	6.00	4.51		
Total BTX	<0.300	0.300	08/22/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 70.7-129

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	08/24/2026	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2026	ND	192	96.2	200	0.875	
DRO >C10-C28*	22.3	10.0	08/22/2026	ND	188	94.2	200	0.556	
EXT DRO >C28-C36	<10.0	10.0	08/22/2026	ND					

Surrogate: 1-Chlorooctane 76.2 % 48-117

Surrogate: 1-Chlorooctadecane 68.8 % 39-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 08/20/2026
Reported: 08/26/2026
Project Name: PLU 13-1 PC PAD B
Project Number: 03C1558842
Project Location: XTO 32.2182431-103.9318957

Sampling Date: 08/18/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SS 33 SURFACE (H264913-08)

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	08/22/2026	ND	2.08	104	2.00	9.36		
Toluene*	<0.050	0.050	08/22/2026	ND	2.22	111	2.00	6.80		
Ethylbenzene*	<0.050	0.050	08/22/2026	ND	2.17	109	2.00	5.41		
Total Xylenes*	<0.150	0.150	08/22/2026	ND	6.70	112	6.00	4.51		
Total BTX	<0.300	0.300	08/22/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 70.7-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/24/2026	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2026	ND	192	96.2	200	0.875	
DRO >C10-C28*	<10.0	10.0	08/22/2026	ND	188	94.2	200	0.556	
EXT DRO >C28-C36	<10.0	10.0	08/22/2026	ND					

Surrogate: 1-Chlorooctane 74.9 % 48-117

Surrogate: 1-Chlorooctadecane 66.9 % 39-120

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
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

Pg 1 of 1

Company Name: Ensolum, LLC

Project Manager: Joshua Boxley

Address: 3122 National Parks Hwy

City: Carlsbad

Phone #: 580 730 1306

Project #: 03C155E6412

Project Name: PLU 15-1 PC Pad B

Project Location: 32.2182431, -103.9318957

Sampler Name: Joshua Boxley

FOR LAB USE ONLY

Lab I.D. Sample I.D.

Depth (feet)

1 2 3 4 5 6 7 8

SS20 SS21 SS22 SS23 SS24 SS31 SS32 SS33

Surface

Surface

Surface

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Surface

Surface

Surface

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Surface

Surface

Surface

Surface

Surface

Surface

BILL TO

P.O. #:

Company: XTO Energy, Inc

Attn: Dale Woodall

Address: 3104 E Greene St

City: Carlsbad

State: NM Zip: 88220

Phone #:

Fax #:

ANALYSIS REQUEST

Chloride
TPH
BTEX

Chloride

TPH

BTEX

Chloride

TPH

BTEX

Chloride

TPH

BTEX

Chloride

TPH

BTEX

Chloride

TPH

BTEX

Chloride

TPH

BTEX

Chloride

TPH

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

REMARKS:

Incident: WAPP2606255167, WAPP2607627521

Cost Center: 227 5621001

GFCM: 48605000 - 5P115

Standard

Rush

Thermometer ID

Correction Factor

Turnaround Time:

Standard

Rush

Bacteria (only) Sample Condition

Cool Intact

Observed Temp. °C

Corrected Temp. °C

Yes

No

Yes

No

Yes

No

Yes

No

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

FORM-006 R 3.7 01/06/26

Released to Imaging: 9/4/2026 9:38:21 AM

Page 11 of 11

Received by OCD: 9/1/2026 2:41:33 PM

Page 61 of 147

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Pg 1 of 1

Company Name: Ensolum, LLC

Project Manager: Joshua Boxley

Address: 3122 National Parks Hwy

City: Carlsbad



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

August 26, 2026

JOSHUA BOXLEY

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: PLU 13-1 PC

Enclosed are the results of analyses for samples received by the laboratory on 08/20/26 13:39.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C26-00106. 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
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/20/2026	Sampling Date:	08/18/2026
Reported:	08/26/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	32.2182431-103.938957		

Sample ID: SS 13 SURFACE (H264919-01)

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	08/24/2026	ND	2.03	101	2.00	6.14		
Toluene*	<0.050	0.050	08/24/2026	ND	1.92	96.0	2.00	6.16		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	1.91	95.4	2.00	5.55		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	5.47	91.2	6.00	5.73		
Total BTEX	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1360	16.0	08/24/2026	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	08/22/2026	ND	178	89.2	200	9.03	
DRO >C10-C28*	6270	50.0	08/22/2026	ND	185	92.4	200	8.55	
EXT DRO >C28-C36	1360	50.0	08/22/2026	ND					

Surrogate: 1-Chlorooctane 81.1 % 48-117

Surrogate: 1-Chlorooctadecane 267 % 39-120

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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
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/20/2026	Sampling Date:	08/18/2026
Reported:	08/26/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	32.2182431-103.938957		

Sample ID: SS 13A 2' (H264919-02)

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	08/24/2026	ND	2.03	101	2.00	6.14		
Toluene*	<0.050	0.050	08/24/2026	ND	1.92	96.0	2.00	6.16		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	1.91	95.4	2.00	5.55		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	5.47	91.2	6.00	5.73		
Total BTEX	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2800	16.0	08/24/2026	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2026	ND	178	89.2	200	9.03	
DRO >C10-C28*	<10.0	10.0	08/22/2026	ND	185	92.4	200	8.55	
EXT DRO >C28-C36	<10.0	10.0	08/22/2026	ND					

Surrogate: 1-Chlorooctane 79.6 % 48-117

Surrogate: 1-Chlorooctadecane 73.2 % 39-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/20/2026	Sampling Date:	08/18/2026
Reported:	08/26/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	32.2182431-103.938957		

Sample ID: SS 13B 4' (H264919-03)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2026	ND	2.03	101	2.00	6.14		
Toluene*	<0.050	0.050	08/24/2026	ND	1.92	96.0	2.00	6.16		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	1.91	95.4	2.00	5.55		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	5.47	91.2	6.00	5.73		
Total BTX	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/24/2026	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2026	ND	178	89.2	200	9.03	
DRO >C10-C28*	<10.0	10.0	08/22/2026	ND	185	92.4	200	8.55	
EXT DRO >C28-C36	<10.0	10.0	08/22/2026	ND					

Surrogate: 1-Chlorooctane 72.2 % 48-117

Surrogate: 1-Chlorooctadecane 66.3 % 39-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/20/2026	Sampling Date:	08/18/2026
Reported:	08/26/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	32.2182431-103.938957		

Sample ID: SS 12 SURFACE (H264919-04)

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	08/24/2026	ND	2.03	101	2.00	6.14		
Toluene*	<0.050	0.050	08/24/2026	ND	1.92	96.0	2.00	6.16		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	1.91	95.4	2.00	5.55		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	5.47	91.2	6.00	5.73		
Total BTEX	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	08/24/2026	ND	416	104	400	0.00		

TPH 8015M	mg/kg		Analyzed By: JF					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	181	50.0	08/22/2026	ND	178	89.2	200	9.03	
DRO >C10-C28*	29800	50.0	08/22/2026	ND	185	92.4	200	8.55	
EXT DRO >C28-C36	4740	50.0	08/22/2026	ND					

Surrogate: 1-Chlorooctane 76.6 % 48-117

Surrogate: 1-Chlorooctadecane 1120 % 39-120

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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
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/20/2026	Sampling Date:	08/18/2026
Reported:	08/26/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	32.2182431-103.938957		

Sample ID: SS 12A 1' (H264919-05)

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	08/24/2026	ND	2.03	101	2.00	6.14		
Toluene*	<0.050	0.050	08/24/2026	ND	1.92	96.0	2.00	6.16		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	1.91	95.4	2.00	5.55		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	5.47	91.2	6.00	5.73		
Total BTEX	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1840	16.0	08/24/2026	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2026	ND	178	89.2	200	9.03	
DRO >C10-C28*	<10.0	10.0	08/22/2026	ND	185	92.4	200	8.55	
EXT DRO >C28-C36	<10.0	10.0	08/22/2026	ND					

Surrogate: 1-Chlorooctane 74.9 % 48-117

Surrogate: 1-Chlorooctadecane 71.3 % 39-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/20/2026	Sampling Date:	08/18/2026
Reported:	08/26/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	32.2182431-103.938957		

Sample ID: SS 12B 4' (H264919-06)

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	08/24/2026	ND	2.03	101	2.00	6.14		
Toluene*	<0.050	0.050	08/24/2026	ND	1.92	96.0	2.00	6.16		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	1.91	95.4	2.00	5.55		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	5.47	91.2	6.00	5.73		
Total BTEX	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/24/2026	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2026	ND	178	89.2	200	9.03	
DRO >C10-C28*	<10.0	10.0	08/22/2026	ND	185	92.4	200	8.55	
EXT DRO >C28-C36	<10.0	10.0	08/22/2026	ND					

Surrogate: 1-Chlorooctane 68.9 % 48-117

Surrogate: 1-Chlorooctadecane 62.6 % 39-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/20/2026	Sampling Date:	08/18/2026
Reported:	08/26/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	32.2182431-103.938957		

Sample ID: SS 11 SURFACE (H264919-07)

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	08/24/2026	ND	2.03	101	2.00	6.14		
Toluene*	<0.050	0.050	08/24/2026	ND	1.92	96.0	2.00	6.16		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	1.91	95.4	2.00	5.55		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	5.47	91.2	6.00	5.73		
Total BTEX	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	23200	16.0	08/24/2026	ND	416	104	400	0.00		

TPH 8015M	mg/kg		Analyzed By: JF					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	139	50.0	08/22/2026	ND	178	89.2	200	9.03	
DRO >C10-C28*	18900	50.0	08/22/2026	ND	185	92.4	200	8.55	
EXT DRO >C28-C36	2800	50.0	08/22/2026	ND					

Surrogate: 1-Chlorooctane 74.4 % 48-117

Surrogate: 1-Chlorooctadecane 789 % 39-120

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/20/2026	Sampling Date:	08/18/2026
Reported:	08/26/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	32.2182431-103.938957		

Sample ID: SS 11A 5' (H264919-08)

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	08/24/2026	ND	2.03	101	2.00	6.14		
Toluene*	<0.050	0.050	08/24/2026	ND	1.92	96.0	2.00	6.16		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	1.91	95.4	2.00	5.55		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	5.47	91.2	6.00	5.73		
Total BTEX	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	08/24/2026	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2026	ND	178	89.2	200	9.03	
DRO >C10-C28*	19.2	10.0	08/22/2026	ND	185	92.4	200	8.55	
EXT DRO >C28-C36	<10.0	10.0	08/22/2026	ND					

Surrogate: 1-Chlorooctane 73.4 % 48-117

Surrogate: 1-Chlorooctadecane 68.5 % 39-120

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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
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/20/2026	Sampling Date:	08/18/2026
Reported:	08/26/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	32.2182431-103.938957		

Sample ID: SS 09 SURFACE (H264919-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2026	ND	2.03	101	2.00	6.14		
Toluene*	<0.050	0.050	08/24/2026	ND	1.92	96.0	2.00	6.16		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	1.91	95.4	2.00	5.55		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	5.47	91.2	6.00	5.73		
Total BTEX	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1920	16.0	08/24/2026	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2026	ND	178	89.2	200	9.03	
DRO >C10-C28*	81.0	10.0	08/22/2026	ND	185	92.4	200	8.55	
EXT DRO >C28-C36	<10.0	10.0	08/22/2026	ND					

Surrogate: 1-Chlorooctane 68.4 % 48-117

Surrogate: 1-Chlorooctadecane 66.3 % 39-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/20/2026	Sampling Date:	08/18/2026
Reported:	08/26/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	32.2182431-103.938957		

Sample ID: SS 09A 4' (H264919-10)

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	08/24/2026	ND	2.03	101	2.00	6.14	
Toluene*	<0.050	0.050	08/24/2026	ND	1.92	96.0	2.00	6.16	
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	1.91	95.4	2.00	5.55	
Total Xylenes*	<0.150	0.150	08/24/2026	ND	5.47	91.2	6.00	5.73	
Total BTEX	<0.300	0.300	08/24/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/24/2026	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2026	ND	178	89.2	200	9.03	
DRO >C10-C28*	<10.0	10.0	08/22/2026	ND	185	92.4	200	8.55	
EXT DRO >C28-C36	<10.0	10.0	08/22/2026	ND					

Surrogate: 1-Chlorooctane 71.6 % 48-117

Surrogate: 1-Chlorooctadecane 65.5 % 39-120

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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/20/2026	Sampling Date:	08/18/2026
Reported:	08/26/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	32.2182431-103.938957		

Sample ID: SS 08 SURFACE (H264919-11)

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	08/24/2026	ND	2.03	101	2.00	6.14		
Toluene*	<0.050	0.050	08/24/2026	ND	1.92	96.0	2.00	6.16		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	1.91	95.4	2.00	5.55		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	5.47	91.2	6.00	5.73		
Total BTEX	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4080	16.0	08/24/2026	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JF				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	130	50.0	08/25/2026	ND	192	95.8	200	0.577	QR-03
DRO >C10-C28*	24000	50.0	08/25/2026	ND	194	96.8	200	0.273	QM-07
EXT DRO >C28-C36	4110	50.0	08/25/2026	ND					

Surrogate: 1-Chlorooctane 76.6 % 48.6-117

Surrogate: 1-Chlorooctadecane 875 % 40.5-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/20/2026	Sampling Date:	08/18/2026
Reported:	08/26/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	32.2182431-103.938957		

Sample ID: SS 08A 4' (H264919-12)

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	08/24/2026	ND	2.26	113	2.00	0.515	
Toluene*	<0.050	0.050	08/24/2026	ND	2.02	101	2.00	0.819	
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	2.08	104	2.00	0.341	
Total Xylenes*	<0.150	0.150	08/24/2026	ND	6.35	106	6.00	0.939	
Total BTEX	<0.300	0.300	08/24/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	08/24/2026	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	192	95.8	200	0.577	
DRO >C10-C28*	1250	10.0	08/24/2026	ND	194	96.8	200	0.273	
EXT DRO >C28-C36	221	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 72.2 % 48.6-117

Surrogate: 1-Chlorooctadecane 94.2 % 40.5-120

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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/20/2026	Sampling Date:	08/18/2026
Reported:	08/26/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	32.2182431-103.938957		

Sample ID: SS 02B 4' (H264919-13)

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	08/24/2026	ND	2.26	113	2.00	0.515	
Toluene*	<0.050	0.050	08/24/2026	ND	2.02	101	2.00	0.819	
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	2.08	104	2.00	0.341	
Total Xylenes*	<0.150	0.150	08/24/2026	ND	6.35	106	6.00	0.939	
Total BTX	<0.300	0.300	08/24/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-127

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	08/24/2026	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	192	95.8	200	0.577	
DRO >C10-C28*	<10.0	10.0	08/24/2026	ND	194	96.8	200	0.273	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 67.0 % 48.6-117

Surrogate: 1-Chlorooctadecane 59.1 % 40.5-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/20/2026	Sampling Date:	08/18/2026
Reported:	08/26/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	32.2182431-103.938957		

Sample ID: SS 15 SURFACE (H264919-14)

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	08/24/2026	ND	2.26	113	2.00	0.515		
Toluene*	<0.050	0.050	08/24/2026	ND	2.02	101	2.00	0.819		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	2.08	104	2.00	0.341		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	6.35	106	6.00	0.939		
Total BTEX	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	26800	16.0	08/24/2026	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	192	95.8	200	0.577	
DRO >C10-C28*	<10.0	10.0	08/24/2026	ND	194	96.8	200	0.273	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 61.3 % 48.6-117

Surrogate: 1-Chlorooctadecane 55.1 % 40.5-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/20/2026	Sampling Date:	08/18/2026
Reported:	08/26/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	32.2182431-103.938957		

Sample ID: SS 15A 4' (H264919-15)

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	08/24/2026	ND	2.26	113	2.00	0.515		
Toluene*	<0.050	0.050	08/24/2026	ND	2.02	101	2.00	0.819		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	2.08	104	2.00	0.341		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	6.35	106	6.00	0.939		
Total BTEX	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-127

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	08/24/2026	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	192	95.8	200	0.577	
DRO >C10-C28*	<10.0	10.0	08/24/2026	ND	194	96.8	200	0.273	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 70.8 % 48.6-117

Surrogate: 1-Chlorooctadecane 64.7 % 40.5-120

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QR-04	The RPD for the BS/BSD was outside of historical limits.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 2

Company Name: Ensolum, LLC.				P.O. #:				BILL TO				ANALYSIS REQUEST			
Project Manager: Josh Boxley				Company: XTO Energy, Inc.											
Address: 3122 National Parks Hwy				Attn: Dale Woodall											
City: Carlsbad				State: NM Zip: 88220											
Phone #: (602) 298-0622 (560) 730-1308 Fax #:				Address: 3104 E Greene St											
Project #: 03C1558842				City: Carlsbad											
Project Name: PLH 13-1 PC				State: NM Zip: 88220											
Project Location: 32.2182431-103.9318957				Phone #:											
Sampler Name: Dean O.				Fax #:											
FOR LAB USE ONLY				LABORATORY				ANALYSIS				RESULTS			
Lab I.D.				Sample I.D.				Depth							
H324919				5S13				Surface							
3				5S13A				2'							
4				5S13B				4'							
5				5S12				Surface							
6				5S12A				1'							
7				5S12B				4'							
8				5S11				Surface							
9				5S11A				00' 5"							
10				5S09				Surface							
11				5S09A				4'							
12				5S09A				4'							
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Reinquished By: Dean O.				Date: 8-20-26				Received By: [Signature]							
Reinquished By: [Signature]				Date: 7-339				Received By: [Signature]							
Delivered By: (Circle One)				Observed Temp. °C				Corrected Temp. °C							
Sample - UPS - Bus - Other: FORM-006 R 3.6 02/12/25				8.9				1.0							
Sample Condition				Cool Intact				Yes							
Checked By: [Signature]				Initials											
Turnaround Time: Standard				Rush											
Thermometer ID #140				Correction Factor +0.11											
Bacteria (only) Sample Condition				Cool Intact				Yes							
Corrected Temp. °C															

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



2 of 2

+ Cardinal cannot accept verbal changes. Please email changes to celej.keene@cardinallabsnm.com



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

August 26, 2026

JOSHUA BOXLEY

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: PLU 13-1 PC

Enclosed are the results of analyses for samples received by the laboratory on 08/20/26 13:39.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C26-00106. 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
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/20/2026	Sampling Date:	08/19/2026
Reported:	08/26/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	32.2182431-103.938957		

Sample ID: SS 14 SURFACE (H264920-01)

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	08/24/2026	ND	2.26	113	2.00	0.515		
Toluene*	<0.050	0.050	08/24/2026	ND	2.02	101	2.00	0.819		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	2.08	104	2.00	0.341		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	6.35	106	6.00	0.939		
Total BTEX	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1900	16.0	08/24/2026	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JF				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	40.0	10.0	08/24/2026	ND	192	95.8	200	0.577	
DRO >C10-C28*	4670	10.0	08/24/2026	ND	194	96.8	200	0.273	
EXT DRO >C28-C36	734	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 64.5 % 48.6-117

Surrogate: 1-Chlorooctadecane 301 % 40.5-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/20/2026	Sampling Date:	08/19/2026
Reported:	08/26/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	32.2182431-103.938957		

Sample ID: SS 14A 4' (H264920-02)

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	08/24/2026	ND	2.26	113	2.00	0.515		
Toluene*	<0.050	0.050	08/24/2026	ND	2.02	101	2.00	0.819		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	2.08	104	2.00	0.341		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	6.35	106	6.00	0.939		
Total BTEx	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-127

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	08/24/2026	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	192	95.8	200	0.577	
DRO >C10-C28*	<10.0	10.0	08/24/2026	ND	194	96.8	200	0.273	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 68.4 % 48.6-117

Surrogate: 1-Chlorooctadecane 62.4 % 40.5-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/20/2026	Sampling Date:	08/19/2026
Reported:	08/26/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	32.2182431-103.938957		

Sample ID: SS 10 SURFACE (H264920-03)

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	08/24/2026	ND	2.26	113	2.00	0.515		
Toluene*	<0.050	0.050	08/24/2026	ND	2.02	101	2.00	0.819		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	2.08	104	2.00	0.341		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	6.35	106	6.00	0.939		
Total BTEX	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-127

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	08/24/2026	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	192	95.8	200	0.577	
DRO >C10-C28*	<10.0	10.0	08/24/2026	ND	194	96.8	200	0.273	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 73.5 % 48.6-117

Surrogate: 1-Chlorooctadecane 66.3 % 40.5-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/20/2026	Sampling Date:	08/19/2026
Reported:	08/26/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	32.2182431-103.938957		

Sample ID: SS 10A 3' (H264920-04)

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	08/24/2026	ND	2.26	113	2.00	0.515	
Toluene*	<0.050	0.050	08/24/2026	ND	2.02	101	2.00	0.819	
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	2.08	104	2.00	0.341	
Total Xylenes*	<0.150	0.150	08/24/2026	ND	6.35	106	6.00	0.939	
Total BTEX	<0.300	0.300	08/24/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	08/24/2026	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	192	95.8	200	0.577	
DRO >C10-C28*	46.9	10.0	08/24/2026	ND	194	96.8	200	0.273	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 71.5 % 48.6-117

Surrogate: 1-Chlorooctadecane 67.5 % 40.5-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/20/2026	Sampling Date:	08/19/2026
Reported:	08/26/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	32.2182431-103.938957		

Sample ID: SS 10B 4' (H264920-05)

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	08/24/2026	ND	2.26	113	2.00	0.515	
Toluene*	<0.050	0.050	08/24/2026	ND	2.02	101	2.00	0.819	
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	2.08	104	2.00	0.341	
Total Xylenes*	<0.150	0.150	08/24/2026	ND	6.35	106	6.00	0.939	
Total BTEX	<0.300	0.300	08/24/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/24/2026	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	192	95.8	200	0.577	
DRO >C10-C28*	<10.0	10.0	08/24/2026	ND	194	96.8	200	0.273	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 67.6 % 48.6-117

Surrogate: 1-Chlorooctadecane 61.8 % 40.5-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/20/2026	Sampling Date:	08/19/2026
Reported:	08/26/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	32.2182431-103.938957		

Sample ID: SS 07 SURFACE (H264920-06)

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	08/24/2026	ND	2.26	113	2.00	0.515		
Toluene*	<0.050	0.050	08/24/2026	ND	2.02	101	2.00	0.819		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	2.08	104	2.00	0.341		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	6.35	106	6.00	0.939		
Total BTEX	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4840	16.0	08/24/2026	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	192	95.8	200	0.577		
DRO >C10-C28*	<10.0	10.0	08/24/2026	ND	194	96.8	200	0.273		
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND						

Surrogate: 1-Chlorooctane 59.6 % 48.6-117

Surrogate: 1-Chlorooctadecane 54.2 % 40.5-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/20/2026	Sampling Date:	08/19/2026
Reported:	08/26/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	32.2182431-103.938957		

Sample ID: SS 07A 4' (H264920-07)

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	08/24/2026	ND	2.26	113	2.00	0.515		
Toluene*	<0.050	0.050	08/24/2026	ND	2.02	101	2.00	0.819		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	2.08	104	2.00	0.341		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	6.35	106	6.00	0.939		
Total BTEx	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-127

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/24/2026	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	192	95.8	200	0.577	
DRO >C10-C28*	<10.0	10.0	08/24/2026	ND	194	96.8	200	0.273	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 64.4 % 48.6-117

Surrogate: 1-Chlorooctadecane 58.8 % 40.5-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/20/2026	Sampling Date:	08/19/2026
Reported:	08/26/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	32.2182431-103.938957		

Sample ID: SS 06 SURFACE (H264920-08)

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	08/24/2026	ND	2.26	113	2.00	0.515		
Toluene*	<0.050	0.050	08/24/2026	ND	2.02	101	2.00	0.819		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	2.08	104	2.00	0.341		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	6.35	106	6.00	0.939		
Total BTEX	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1780	16.0	08/24/2026	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JF				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	192	95.8	200	0.577	
DRO >C10-C28*	3250	10.0	08/24/2026	ND	194	96.8	200	0.273	
EXT DRO >C28-C36	691	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 67.2 % 48.6-117

Surrogate: 1-Chlorooctadecane 181 % 40.5-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/20/2026	Sampling Date:	08/19/2026
Reported:	08/26/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	32.2182431-103.938957		

Sample ID: SS 06A 2' (H264920-09)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2026	ND	2.26	113	2.00	0.515	
Toluene*	<0.050	0.050	08/24/2026	ND	2.02	101	2.00	0.819	
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	2.08	104	2.00	0.341	
Total Xylenes*	<0.150	0.150	08/24/2026	ND	6.35	106	6.00	0.939	
Total BTEX	<0.300	0.300	08/24/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	08/24/2026	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	192	95.8	200	0.577	
DRO >C10-C28*	<10.0	10.0	08/24/2026	ND	194	96.8	200	0.273	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 66.4 % 48.6-117

Surrogate: 1-Chlorooctadecane 60.7 % 40.5-120

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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/20/2026	Sampling Date:	08/19/2026
Reported:	08/26/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	32.2182431-103.938957		

Sample ID: SS 06B 4' (H264920-10)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2026	ND	2.26	113	2.00	0.515	
Toluene*	<0.050	0.050	08/24/2026	ND	2.02	101	2.00	0.819	
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	2.08	104	2.00	0.341	
Total Xylenes*	<0.150	0.150	08/24/2026	ND	6.35	106	6.00	0.939	
Total BTX	<0.300	0.300	08/24/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 71.5-127

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/24/2026	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	192	95.8	200	0.577	
DRO >C10-C28*	<10.0	10.0	08/24/2026	ND	194	96.8	200	0.273	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 67.4 % 48.6-117

Surrogate: 1-Chlorooctadecane 60.1 % 40.5-120

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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/20/2026	Sampling Date:	08/19/2026
Reported:	08/26/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	32.2182431-103.938957		

Sample ID: SS 05 SURFACE (H264920-11)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2026	ND	2.26	113	2.00	0.515		
Toluene*	<0.050	0.050	08/24/2026	ND	2.02	101	2.00	0.819		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	2.08	104	2.00	0.341		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	6.35	106	6.00	0.939		
Total BTX	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	800	16.0	08/24/2026	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	192	95.8	200	0.577	
DRO >C10-C28*	261	10.0	08/24/2026	ND	194	96.8	200	0.273	
EXT DRO >C28-C36	38.3	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 59.8 % 48.6-117

Surrogate: 1-Chlorooctadecane 63.2 % 40.5-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/20/2026	Sampling Date:	08/19/2026
Reported:	08/26/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	32.2182431-103.938957		

Sample ID: SS 05A 1' (H264920-12)

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	08/24/2026	ND	2.26	113	2.00	0.515		
Toluene*	<0.050	0.050	08/24/2026	ND	2.02	101	2.00	0.819		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	2.08	104	2.00	0.341		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	6.35	106	6.00	0.939		
Total BTEX	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2130	16.0	08/24/2026	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JF				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	17.7	10.0	08/24/2026	ND	192	95.8	200	0.577	
DRO >C10-C28*	4170	10.0	08/24/2026	ND	194	96.8	200	0.273	
EXT DRO >C28-C36	819	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 60.3 % 48.6-117

Surrogate: 1-Chlorooctadecane 201 % 40.5-120

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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/20/2026	Sampling Date:	08/19/2026
Reported:	08/26/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	32.2182431-103.938957		

Sample ID: SS 05B 5' (H264920-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2026	ND	2.26	113	2.00	0.515		
Toluene*	<0.050	0.050	08/24/2026	ND	2.02	101	2.00	0.819		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	2.08	104	2.00	0.341		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	6.35	106	6.00	0.939		
Total BTEX	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-127

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/24/2026	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	192	95.8	200	0.577	
DRO >C10-C28*	<10.0	10.0	08/24/2026	ND	194	96.8	200	0.273	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 63.6 % 48.6-117

Surrogate: 1-Chlorooctadecane 59.2 % 40.5-120

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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/20/2026	Sampling Date:	08/19/2026
Reported:	08/26/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	32.2182431-103.938957		

Sample ID: SS 04 SURFACE (H264920-14)

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	08/24/2026	ND	2.26	113	2.00	0.515		
Toluene*	<0.050	0.050	08/24/2026	ND	2.02	101	2.00	0.819		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	2.08	104	2.00	0.341		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	6.35	106	6.00	0.939		
Total BTEx	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-127

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1360	16.0	08/24/2026	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	192	95.8	200	0.577	
DRO >C10-C28*	897	10.0	08/24/2026	ND	194	96.8	200	0.273	
EXT DRO >C28-C36	173	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 59.6 % 48.6-117

Surrogate: 1-Chlorooctadecane 128 % 40.5-120

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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/20/2026	Sampling Date:	08/19/2026
Reported:	08/26/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	32.2182431-103.938957		

Sample ID: SS 04A 4' (H264920-15)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2026	ND	2.26	113	2.00	0.515		
Toluene*	<0.050	0.050	08/24/2026	ND	2.02	101	2.00	0.819		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	2.08	104	2.00	0.341		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	6.35	106	6.00	0.939		
Total BTX	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	08/24/2026	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	192	95.8	200	0.577	
DRO >C10-C28*	<10.0	10.0	08/24/2026	ND	194	96.8	200	0.273	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 72.9 % 48.6-117

Surrogate: 1-Chlorooctadecane 66.0 % 40.5-120

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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/20/2026	Sampling Date:	08/19/2026
Reported:	08/26/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	32.2182431-103.938957		

Sample ID: SS 34 SURFACE (H264920-16)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2026	ND	2.26	113	2.00	0.515		
Toluene*	<0.050	0.050	08/24/2026	ND	2.02	101	2.00	0.819		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	2.08	104	2.00	0.341		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	6.35	106	6.00	0.939		
Total BTX	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-127

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	08/24/2026	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	218	109	200	1.17	
DRO >C10-C28*	<10.0	10.0	08/24/2026	ND	210	105	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 70.7 % 48.6-117

Surrogate: 1-Chlorooctadecane 71.2 % 40.5-120

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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
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 08/20/2026
Reported: 08/26/2026
Project Name: PLU 13-1 PC
Project Number: 03C1558842
Project Location: 32.2182431-103.938957

Sampling Date: 08/19/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SS 26 SURFACE (H264920-17)

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	08/24/2026	ND	2.12	106	2.00	4.88		
Toluene*	<0.050	0.050	08/24/2026	ND	2.20	110	2.00	5.39		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	2.21	110	2.00	5.25		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	6.46	108	6.00	5.30		
Total BTEx	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-127

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/24/2026	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	218	109	200	1.17	
DRO >C10-C28*	<10.0	10.0	08/24/2026	ND	210	105	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 76.3 % 48.6-117

Surrogate: 1-Chlorooctadecane 76.7 % 40.5-120

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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
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/20/2026	Sampling Date:	08/19/2026
Reported:	08/26/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	32.2182431-103.938957		

Sample ID: SS 27 SURFACE (H264920-18)

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	08/24/2026	ND	2.12	106	2.00	4.88		
Toluene*	<0.050	0.050	08/24/2026	ND	2.20	110	2.00	5.39		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	2.21	110	2.00	5.25		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	6.46	108	6.00	5.30		
Total BTX	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-127

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	08/24/2026	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	218	109	200	1.17	
DRO >C10-C28*	<10.0	10.0	08/24/2026	ND	210	105	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 73.4 % 48.6-117

Surrogate: 1-Chlorooctadecane 73.4 % 40.5-120

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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
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/20/2026	Sampling Date:	08/19/2026
Reported:	08/26/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	32.2182431-103.938957		

Sample ID: SS 28 SURFACE (H264920-19)

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	08/24/2026	ND	2.12	106	2.00	4.88		
Toluene*	<0.050	0.050	08/24/2026	ND	2.20	110	2.00	5.39		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	2.21	110	2.00	5.25		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	6.46	108	6.00	5.30		
Total BTEx	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-127

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/24/2026	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	218	109	200	1.17	
DRO >C10-C28*	<10.0	10.0	08/24/2026	ND	210	105	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 70.9 % 48.6-117

Surrogate: 1-Chlorooctadecane 73.9 % 40.5-120

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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
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/20/2026	Sampling Date:	08/19/2026
Reported:	08/26/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	32.2182431-103.938957		

Sample ID: SS 29 SURFACE (H264920-20)

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	08/24/2026	ND	2.12	106	2.00	4.88		
Toluene*	<0.050	0.050	08/24/2026	ND	2.20	110	2.00	5.39		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	2.21	110	2.00	5.25		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	6.46	108	6.00	5.30		
Total BTEx	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-127

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/24/2026	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	218	109	200	1.17	
DRO >C10-C28*	<10.0	10.0	08/24/2026	ND	210	105	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 77.4 % 48.6-117

Surrogate: 1-Chlorooctadecane 79.8 % 40.5-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/20/2026	Sampling Date:	08/19/2026
Reported:	08/26/2026	Sampling Type:	Soil
Project Name:	PLU 13-1 PC	Sampling Condition:	Cool & Intact
Project Number:	03C1558842	Sample Received By:	Tamara Oldaker
Project Location:	32.2182431-103.938957		

Sample ID: SS 19 SURFACE (H264920-21)

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	08/24/2026	ND	2.12	106	2.00	4.88		
Toluene*	<0.050	0.050	08/24/2026	ND	2.20	110	2.00	5.39		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	2.21	110	2.00	5.25		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	6.46	108	6.00	5.30		
Total BTX	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-127

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/24/2026	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	218	109	200	1.17	
DRO >C10-C28*	<10.0	10.0	08/24/2026	ND	210	105	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 75.8 % 48.6-117

Surrogate: 1-Chlorooctadecane 76.2 % 40.5-120

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 3

Company Name Ensolum, LLC										BILL TO		ANALYSIS REQUEST									
Project Manager: Josh Boxley										P.O. #:											
Address: 3122 National Parks Hwy										Company: XTO Energy, Inc.											
City Carlsbad										Attn: Dale Woodall											
State: NM Zip: 88220										Address: 3104 E Greene St.											
Phone #: 580-730-1308 Fax #:										City: Carlsbad											
Project #: 03C1558842 Project Owner XTO Energy, Inc.										State: NM Zip: 88220											
Project Name: PLU 13-1 PC										Phone #:											
Project Location: 32.2182431, -103.9318957										Fax #:											
Sampler Name: Dean Ortiz																					
FOR LAB USE ONLY																					
Lab I.D. Sample I.D. Sample Depth																					
1 SS14 Surface (G)RAB OR (C)OMP.																					
2 SS14A 4' G 1																					
3 SS10 Surface G 1																					
4 SS10A 3' G 1																					
5 SS10B 4' G 1																					
6 SS07 Surface G 1																					
7 SS07A 4' G 1																					
8 SS06 Surface G 1																					
9 SS06A 2' G 1																					
10 SS06B 4' G 1																					
DATE TIME																					
8/19/2026 8:27																					
8/19/2026 8:34																					
8/19/2026 9:03																					
8/19/2026 9:07																					
8/19/2026 9:08																					
8/19/2026 8:46																					
8/19/2026 9:03																					
8/19/2026 10:21																					
8/19/2026 10:25																					
8/19/2026 10:29																					

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Relinquished By: *Dean Ortiz* Date: *8-20-26* Time: *1:59* Received By: *Michelle L. [Signature]* Date: *8-20-26* Time: *1:59*

Delivered By: (Circle One) Observed Temp. °C: *99.9* Corrected Temp. °C: *1.0* Sample Condition: ☒ Cool ☐ Intact ☐ Yes ☐ No ☐ No

Sampler - UPS - Bus - Other: FORM-006 R.3.6 02/12/25

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

Turnaround Time: ☒ Standard ☐ Rush ☐ Bacteria (only) Sample Condition: ☐ Cool ☐ Intact ☐ Yes ☐ No ☐ No

Thermometer ID #140 Correction Factor: *-0.3°C* *48.1°C* *8/20/26*

REMARKS: Incident No.: NAPP2606233467, NAPP2607627521 GFCM: 48605000 CC: 2275621001 Verbal Result: ☐ Yes ☐ No Add'l Phone #: *05 00234316*

All Results are emailed. Please provide Email address: deortiz@ensolum.com, jboxley@ensolum.com, tmorrissey@ensolum.com, kthomason@ensolum.com



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 3

[illegible]



W
g
W

† Cardinal cannot accept verbal changes. Please email changes to celeey.keene@cardinallabspm.com



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

August 27, 2026

JOSHUA BOXLEY

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: PLU 13-1 PC

Enclosed are the results of analyses for samples received by the laboratory on 08/21/26 15:29.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C26-00106. 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 fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 08/21/2026
Reported: 08/27/2026
Project Name: PLU 13-1 PC
Project Number: 03C1558842
Project Location: XTO 32.2182431-103.9318957

Sampling Date: 08/20/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 01 SURFACE (H264958-01)

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	08/24/2026	ND	2.06	103	2.00	0.809	
Toluene*	<0.050	0.050	08/24/2026	ND	1.95	97.6	2.00	1.40	
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	1.95	97.3	2.00	0.319	
Total Xylenes*	<0.150	0.150	08/24/2026	ND	5.64	94.1	6.00	1.08	
Total BTX	<0.300	0.300	08/24/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2400	16.0	08/24/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	207	103	200	0.0667	
DRO >C10-C28*	<10.0	10.0	08/24/2026	ND	203	101	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 82.1 % 48.6-117

Surrogate: 1-Chlorooctadecane 83.7 % 40.5-120

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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
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 08/21/2026
Reported: 08/27/2026
Project Name: PLU 13-1 PC
Project Number: 03C1558842
Project Location: XTO 32.2182431-103.9318957

Sampling Date: 08/20/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 01A 2' (H264958-02)

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	08/24/2026	ND	2.06	103	2.00	0.809	
Toluene*	<0.050	0.050	08/24/2026	ND	1.95	97.6	2.00	1.40	
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	1.95	97.3	2.00	0.319	
Total Xylenes*	<0.150	0.150	08/24/2026	ND	5.64	94.1	6.00	1.08	
Total BTEX	<0.300	0.300	08/24/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6000	16.0	08/24/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	207	103	200	0.0667	
DRO >C10-C28*	38.9	10.0	08/24/2026	ND	203	101	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.6-117

Surrogate: 1-Chlorooctadecane 84.1 % 40.5-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 08/21/2026
Reported: 08/27/2026
Project Name: PLU 13-1 PC
Project Number: 03C1558842
Project Location: XTO 32.2182431-103.9318957

Sampling Date: 08/20/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 01B 4' (H264958-03)

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	08/24/2026	ND	2.06	103	2.00	0.809		
Toluene*	<0.050	0.050	08/24/2026	ND	1.95	97.6	2.00	1.40		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	1.95	97.3	2.00	0.319		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	5.64	94.1	6.00	1.08		
Total BTEX	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	08/24/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	207	103	200	0.0667	
DRO >C10-C28*	<10.0	10.0	08/24/2026	ND	203	101	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 84.9 % 48.6-117

Surrogate: 1-Chlorooctadecane 85.1 % 40.5-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 08/21/2026
Reported: 08/27/2026
Project Name: PLU 13-1 PC
Project Number: 03C1558842
Project Location: XTO 32.2182431-103.9318957

Sampling Date: 08/20/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 03 SURFACE (H264958-04)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2026	ND	2.06	103	2.00	0.809	
Toluene*	<0.050	0.050	08/24/2026	ND	1.95	97.6	2.00	1.40	
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	1.95	97.3	2.00	0.319	
Total Xylenes*	<0.150	0.150	08/24/2026	ND	5.64	94.1	6.00	1.08	
Total BTX	<0.300	0.300	08/24/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 71.5-127

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/24/2026	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	207	103	200	0.0667	
DRO >C10-C28*	<10.0	10.0	08/24/2026	ND	203	101	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 79.5 % 48.6-117

Surrogate: 1-Chlorooctadecane 79.2 % 40.5-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 08/21/2026
Reported: 08/27/2026
Project Name: PLU 13-1 PC
Project Number: 03C1558842
Project Location: XTO 32.2182431-103.9318957

Sampling Date: 08/20/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 03A 2' (H264958-05)

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	08/24/2026	ND	2.30	115	2.00	1.88		
Toluene*	<0.050	0.050	08/24/2026	ND	1.99	99.7	2.00	1.87		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	2.06	103	2.00	2.24		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	6.26	104	6.00	2.08		
Total BTEX	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	08/24/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	207	103	200	0.0667	
DRO >C10-C28*	20.5	10.0	08/24/2026	ND	203	101	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.6-117

Surrogate: 1-Chlorooctadecane 87.1 % 40.5-120

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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 08/21/2026
Reported: 08/27/2026
Project Name: PLU 13-1 PC
Project Number: 03C1558842
Project Location: XTO 32.2182431-103.9318957

Sampling Date: 08/20/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 03B 4' (H264958-06)

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	08/24/2026	ND	2.30	115	2.00	1.88		
Toluene*	<0.050	0.050	08/24/2026	ND	1.99	99.7	2.00	1.87		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	2.06	103	2.00	2.24		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	6.26	104	6.00	2.08		
Total BTEX	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	08/24/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	207	103	200	0.0667	
DRO >C10-C28*	<10.0	10.0	08/24/2026	ND	203	101	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.6-117

Surrogate: 1-Chlorooctadecane 84.7 % 40.5-120

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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 08/21/2026
Reported: 08/27/2026
Project Name: PLU 13-1 PC
Project Number: 03C1558842
Project Location: XTO 32.2182431-103.9318957

Sampling Date: 08/20/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 16 SURFACE (H264958-07)

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	08/24/2026	ND	2.30	115	2.00	1.88		
Toluene*	<0.050	0.050	08/24/2026	ND	1.99	99.7	2.00	1.87		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	2.06	103	2.00	2.24		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	6.26	104	6.00	2.08		
Total BTEX	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	08/24/2026	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	207	103	200	0.0667	
DRO >C10-C28*	<10.0	10.0	08/24/2026	ND	203	101	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 85.3 % 48.6-117

Surrogate: 1-Chlorooctadecane 84.1 % 40.5-120

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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 08/21/2026
Reported: 08/27/2026
Project Name: PLU 13-1 PC
Project Number: 03C1558842
Project Location: XTO 32.2182431-103.9318957

Sampling Date: 08/20/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 16A 1' (H264958-08)

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	08/24/2026	ND	2.30	115	2.00	1.88		
Toluene*	<0.050	0.050	08/24/2026	ND	1.99	99.7	2.00	1.87		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	2.06	103	2.00	2.24		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	6.26	104	6.00	2.08		
Total BTEX	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	08/24/2026	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	207	103	200	0.0667	
DRO >C10-C28*	<10.0	10.0	08/24/2026	ND	203	101	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.6-117

Surrogate: 1-Chlorooctadecane 86.6 % 40.5-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 08/21/2026
Reported: 08/27/2026
Project Name: PLU 13-1 PC
Project Number: 03C1558842
Project Location: XTO 32.2182431-103.9318957

Sampling Date: 08/20/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 16B 2' (H264958-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2026	ND	2.30	115	2.00	1.88		
Toluene*	<0.050	0.050	08/24/2026	ND	1.99	99.7	2.00	1.87		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	2.06	103	2.00	2.24		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	6.26	104	6.00	2.08		
Total BTEX	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/24/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	207	103	200	0.0667	
DRO >C10-C28*	<10.0	10.0	08/24/2026	ND	203	101	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.6-117

Surrogate: 1-Chlorooctadecane 91.9 % 40.5-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 08/21/2026
Reported: 08/27/2026
Project Name: PLU 13-1 PC
Project Number: 03C1558842
Project Location: XTO 32.2182431-103.9318957

Sampling Date: 08/20/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 16C 4' (H264958-10)

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	08/24/2026	ND	2.30	115	2.00	1.88		
Toluene*	<0.050	0.050	08/24/2026	ND	1.99	99.7	2.00	1.87		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	2.06	103	2.00	2.24		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	6.26	104	6.00	2.08		
Total BTEX	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/24/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	207	103	200	0.0667	
DRO >C10-C28*	<10.0	10.0	08/24/2026	ND	203	101	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.6-117

Surrogate: 1-Chlorooctadecane 86.3 % 40.5-120

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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
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 08/21/2026
Reported: 08/27/2026
Project Name: PLU 13-1 PC
Project Number: 03C1558842
Project Location: XTO 32.2182431-103.9318957

Sampling Date: 08/20/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 17 SURFACE (H264958-11)

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	08/24/2026	ND	2.30	115	2.00	1.88	
Toluene*	<0.050	0.050	08/24/2026	ND	1.99	99.7	2.00	1.87	
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	2.06	103	2.00	2.24	
Total Xylenes*	<0.150	0.150	08/24/2026	ND	6.26	104	6.00	2.08	
Total BTEx	<0.300	0.300	08/24/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4320	16.0	08/24/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	201	101	200	0.324	
DRO >C10-C28*	51.0	10.0	08/24/2026	ND	192	96.1	200	2.47	
EXT DRO >C28-C36	25.6	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 81.3 % 48.6-117

Surrogate: 1-Chlorooctadecane 75.6 % 40.5-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 08/21/2026
Reported: 08/27/2026
Project Name: PLU 13-1 PC
Project Number: 03C1558842
Project Location: XTO 32.2182431-103.9318957

Sampling Date: 08/20/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 17A 4' (H264958-12)

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	08/24/2026	ND	2.30	115	2.00	1.88		
Toluene*	<0.050	0.050	08/24/2026	ND	1.99	99.7	2.00	1.87		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	2.06	103	2.00	2.24		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	6.26	104	6.00	2.08		
Total BTEX	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3360	16.0	08/24/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	201	101	200	0.324	
DRO >C10-C28*	<10.0	10.0	08/24/2026	ND	192	96.1	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.6-117

Surrogate: 1-Chlorooctadecane 83.1 % 40.5-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 08/21/2026
Reported: 08/27/2026
Project Name: PLU 13-1 PC
Project Number: 03C1558842
Project Location: XTO 32.2182431-103.9318957

Sampling Date: 08/20/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 17B 5' (H264958-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2026	ND	2.30	115	2.00	1.88		
Toluene*	<0.050	0.050	08/24/2026	ND	1.99	99.7	2.00	1.87		
Ethylbenzene*	<0.050	0.050	08/24/2026	ND	2.06	103	2.00	2.24		
Total Xylenes*	<0.150	0.150	08/24/2026	ND	6.26	104	6.00	2.08		
Total BTEx	<0.300	0.300	08/24/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-127

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3120	16.0	08/24/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	201	101	200	0.324	
DRO >C10-C28*	<10.0	10.0	08/24/2026	ND	192	96.1	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.6-117

Surrogate: 1-Chlorooctadecane 82.1 % 40.5-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 08/21/2026
Reported: 08/27/2026
Project Name: PLU 13-1 PC
Project Number: 03C1558842
Project Location: XTO 32.2182431-103.9318957

Sampling Date: 08/20/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 17C 6' (H264958-14)

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	08/25/2026	ND	2.30	115	2.00	1.88		
Toluene*	<0.050	0.050	08/25/2026	ND	1.99	99.7	2.00	1.87		
Ethylbenzene*	<0.050	0.050	08/25/2026	ND	2.06	103	2.00	2.24		
Total Xylenes*	<0.150	0.150	08/25/2026	ND	6.26	104	6.00	2.08		
Total BTEx	<0.300	0.300	08/25/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/24/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	201	101	200	0.324	
DRO >C10-C28*	<10.0	10.0	08/24/2026	ND	192	96.1	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.6-117

Surrogate: 1-Chlorooctadecane 78.6 % 40.5-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 08/21/2026
Reported: 08/27/2026
Project Name: PLU 13-1 PC
Project Number: 03C1558842
Project Location: XTO 32.2182431-103.9318957

Sampling Date: 08/20/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 18 SURFACE (H264958-15)

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	08/25/2026	ND	2.30	115	2.00	1.88		
Toluene*	<0.050	0.050	08/25/2026	ND	1.99	99.7	2.00	1.87		
Ethylbenzene*	<0.050	0.050	08/25/2026	ND	2.06	103	2.00	2.24		
Total Xylenes*	<0.150	0.150	08/25/2026	ND	6.26	104	6.00	2.08		
Total BTEX	<0.300	0.300	08/25/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	08/24/2026	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	201	101	200	0.324	
DRO >C10-C28*	<10.0	10.0	08/24/2026	ND	192	96.1	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 87.7 % 48.6-117

Surrogate: 1-Chlorooctadecane 81.8 % 40.5-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 08/21/2026
Reported: 08/27/2026
Project Name: PLU 13-1 PC
Project Number: 03C1558842
Project Location: XTO 32.2182431-103.9318957

Sampling Date: 08/20/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 18A 3' (H264958-16)

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	08/25/2026	ND	2.30	115	2.00	1.88		
Toluene*	<0.050	0.050	08/25/2026	ND	1.99	99.7	2.00	1.87		
Ethylbenzene*	<0.050	0.050	08/25/2026	ND	2.06	103	2.00	2.24		
Total Xylenes*	<0.150	0.150	08/25/2026	ND	6.26	104	6.00	2.08		
Total BTEX	<0.300	0.300	08/25/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1940	16.0	08/24/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	201	101	200	0.324	
DRO >C10-C28*	<10.0	10.0	08/24/2026	ND	192	96.1	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.6-117

Surrogate: 1-Chlorooctadecane 82.6 % 40.5-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 08/21/2026
Reported: 08/27/2026
Project Name: PLU 13-1 PC
Project Number: 03C1558842
Project Location: XTO 32.2182431-103.9318957

Sampling Date: 08/20/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 18B 6' (H264958-17)

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	08/25/2026	ND	2.30	115	2.00	1.88		
Toluene*	<0.050	0.050	08/25/2026	ND	1.99	99.7	2.00	1.87		
Ethylbenzene*	<0.050	0.050	08/25/2026	ND	2.06	103	2.00	2.24		
Total Xylenes*	<0.150	0.150	08/25/2026	ND	6.26	104	6.00	2.08		
Total BTEX	<0.300	0.300	08/25/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-127

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/24/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	201	101	200	0.324	
DRO >C10-C28*	<10.0	10.0	08/24/2026	ND	192	96.1	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.6-117

Surrogate: 1-Chlorooctadecane 83.0 % 40.5-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 08/21/2026
Reported: 08/27/2026
Project Name: PLU 13-1 PC
Project Number: 03C1558842
Project Location: XTO 32.2182431-103.9318957

Sampling Date: 08/20/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 18C 7' (H264958-18)

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	08/25/2026	ND	2.30	115	2.00	1.88		
Toluene*	<0.050	0.050	08/25/2026	ND	1.99	99.7	2.00	1.87		
Ethylbenzene*	<0.050	0.050	08/25/2026	ND	2.06	103	2.00	2.24		
Total Xylenes*	<0.150	0.150	08/25/2026	ND	6.26	104	6.00	2.08		
Total BTEX	<0.300	0.300	08/25/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	08/24/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	201	101	200	0.324	
DRO >C10-C28*	<10.0	10.0	08/24/2026	ND	192	96.1	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.6-117

Surrogate: 1-Chlorooctadecane 84.9 % 40.5-120

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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
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 08/21/2026
Reported: 08/27/2026
Project Name: PLU 13-1 PC
Project Number: 03C1558842
Project Location: XTO 32.2182431-103.9318957

Sampling Date: 08/20/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 35 SURFACE (H264958-19)

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	08/25/2026	ND	2.30	115	2.00	1.88		
Toluene*	<0.050	0.050	08/25/2026	ND	1.99	99.7	2.00	1.87		
Ethylbenzene*	<0.050	0.050	08/25/2026	ND	2.06	103	2.00	2.24		
Total Xylenes*	<0.150	0.150	08/25/2026	ND	6.26	104	6.00	2.08		
Total BTEx	<0.300	0.300	08/25/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 71.5-127

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/24/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	201	101	200	0.324	
DRO >C10-C28*	<10.0	10.0	08/24/2026	ND	192	96.1	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.6-117

Surrogate: 1-Chlorooctadecane 81.9 % 40.5-120

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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 08/21/2026
Reported: 08/27/2026
Project Name: PLU 13-1 PC
Project Number: 03C1558842
Project Location: XTO 32.2182431-103.9318957

Sampling Date: 08/20/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 36 SURFACE (H264958-20)

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	08/25/2026	ND	2.30	115	2.00	1.88		
Toluene*	<0.050	0.050	08/25/2026	ND	1.99	99.7	2.00	1.87		
Ethylbenzene*	<0.050	0.050	08/25/2026	ND	2.06	103	2.00	2.24		
Total Xylenes*	<0.150	0.150	08/25/2026	ND	6.26	104	6.00	2.08		
Total BTEX	<0.300	0.300	08/25/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-127

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	08/24/2026	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	201	101	200	0.324	
DRO >C10-C28*	<10.0	10.0	08/24/2026	ND	192	96.1	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 88.4 % 48.6-117

Surrogate: 1-Chlorooctadecane 83.8 % 40.5-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JOSHUA BOXLEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 08/21/2026
Reported: 08/27/2026
Project Name: PLU 13-1 PC
Project Number: 03C1558842
Project Location: XTO 32.2182431-103.9318957

Sampling Date: 08/20/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 37 SURFACE (H264958-21)

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	08/25/2026	ND	2.30	115	2.00	1.88		
Toluene*	<0.050	0.050	08/25/2026	ND	1.99	99.7	2.00	1.87		
Ethylbenzene*	<0.050	0.050	08/25/2026	ND	2.06	103	2.00	2.24		
Total Xylenes*	<0.150	0.150	08/25/2026	ND	6.26	104	6.00	2.08		
Total BTX	<0.300	0.300	08/25/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-127

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	08/24/2026	ND	416	104	400	3.77	QM-07	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2026	ND	201	101	200	0.324	
DRO >C10-C28*	<10.0	10.0	08/24/2026	ND	192	96.1	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	08/24/2026	ND					

Surrogate: 1-Chlorooctane 84.5 % 48.6-117

Surrogate: 1-Chlorooctadecane 79.2 % 40.5-120

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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 "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 of 3

Company Name: Ensolum, LLC

Project Manager: Josh Boxley

Address: 3122 National Parks Hwy

City: Carlsbad State: NM Zip: 88220

Phone #: 580-730-1308 Fax #: Project Owner: XTO Energy, Inc.

Project #: 03C1558842 Project Name: PLU 13-1 PC

Project Location: 32.2182431, -103.9318957

Project Name: Dean Ortiz

FOR LAB USE ONLY

BILL TO

P.O. #:

Company: XTO Energy, Inc.

Attn: Dale Woodall

Address: 3104 E Greene St.

City: Carlsbad State: NM Zip: 88220

Phone #: Fax #:

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	Sample Depth	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					DATE	TIME	ANALYSIS REQUEST				
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE			BTEX	TPH	Chlorides		
1	SS01	Surface	G	1						8/20/26	12:28					
2	SS01A	2'	G	1							12:32					
3	SS01B	4'	G	1							12:36					
4	SS03	Surface	G	1							12:18					
5	SS03A	2'	G	1							12:22					
6	SS03B	4'	G	1							12:26					
7	SS16	Surface	G	1							12:10					
8	SS16A	1'	G	1							12:12					
9	SS16B	2'	G	1							12:14					
10	SS16C	4'	G	1							12:18					

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Relinquished By: [Signature] Date: 8-21-26 Time: 15:30

Received By: [Signature] Date: 8-21-26 Time: 15:30

Relinquished By: [Signature] Date: 8-21-26 Time: 15:30

Received By: [Signature] Date: 8-21-26 Time: 15:30

Delivered By: (Circle One)

Observed Temp. °C

Sample Condition

CHECKED BY: (Initials)

Sampler - UPS - Bus - Other: FORM-006 R.3.6 02/12/25

Corrected Temp. °C

Sample Condition

CHECKED BY: (Initials)

Company Name Ensolum, LLC

2 of 3

+ Cardinal cannot accept verbal changes. Please email changes to celej.keene@cardinallabsnm.com

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

30/2

[illegible]

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

August 31, 2026

JOSHUA BOXLEY

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: PLU 13-1 PC

Enclosed are the results of analyses for samples received by the laboratory on 08/21/26 15:29.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C26-00106. 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/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220Project: PLU 13-1 PC
Project Number: 03C1558842
Project Manager: JOSHUA BOXLEY
Fax To:Reported:
31-Aug-26 16:37

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
-----------	---------------	--------	--------------	---------------

SS30 SURFACE	H264959-01	Soil	21-Aug-26 11:15	21-Aug-26 15:29
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08/31/26 - Client changed the sample ID (see COC). This is the revised report and will replace the one sent on 08/27/26.

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

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: PLU 13-1 PC
Project Number: 03C1558842
Project Manager: JOSHUA BOXLEY
Fax To:

Reported:
31-Aug-26 16:37

SS30 SURFACE
H264959-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	320		16.0	mg/kg	4	6082403	AC	24-Aug-26	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	6082506	JH	25-Aug-26	8021B	
Toluene*	<0.050	0.050	mg/kg	50	6082506	JH	25-Aug-26	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	6082506	JH	25-Aug-26	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	6082506	JH	25-Aug-26	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	6082506	JH	25-Aug-26	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-127 6082506 JH 25-Aug-26 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	6082203	JF	24-Aug-26	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	6082203	JF	24-Aug-26	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	6082203	JF	24-Aug-26	8015B	

Surrogate: 1-Chlorooctane 79.0 % 48.6-117 6082203 JF 24-Aug-26 8015B

Surrogate: 1-Chlorooctadecane 75.5 % 40.5-120 6082203 JF 24-Aug-26 8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: PLU 13-1 PC
Project Number: 03C1558842
Project Manager: JOSHUA BOXLEY
Fax To:

Reported:
31-Aug-26 16:37

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
Batch 6082403 - 1:4 DI Water								
Blank (6082403-BLK1)				Prepared & Analyzed: 24-Aug-26				
Chloride	ND	16.0	mg/kg					
LCS (6082403-BS1)				Prepared & Analyzed: 24-Aug-26				
Chloride	416	16.0	mg/kg	400	104	80-120		
LCS Dup (6082403-BSD1)				Prepared & Analyzed: 24-Aug-26				
Chloride	432	16.0	mg/kg	400	108	80-120	3.77	20

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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: PLU 13-1 PC
Project Number: 03C1558842
Project Manager: JOSHUA BOXLEY
Fax To:

Reported:
31-Aug-26 16:37

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6082506 - Volatiles**Blank (6082506-BLK1)**

Prepared & Analyzed: 25-Aug-26

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		94.2	71.5-127			

LCS (6082506-BS1)

Prepared & Analyzed: 25-Aug-26

Benzene	2.07	0.050	mg/kg	2.00		104	88.1-124			
Toluene	1.97	0.050	mg/kg	2.00		98.5	83.2-120			
Ethylbenzene	1.97	0.050	mg/kg	2.00		98.5	84.4-120			
m,p-Xylene	3.79	0.100	mg/kg	4.00		94.8	79.6-123			
o-Xylene	1.89	0.050	mg/kg	2.00		94.4	80.5-121			
Total Xylenes	5.68	0.150	mg/kg	6.00		94.7	80.1-122			
Surrogate: 4-Bromofluorobenzene (PID)	0.0461		mg/kg	0.0500		92.2	71.5-127			

LCS Dup (6082506-BS1)

Prepared & Analyzed: 25-Aug-26

Benzene	2.06	0.050	mg/kg	2.00		103	88.1-124	0.452	8.17	
Toluene	1.96	0.050	mg/kg	2.00		97.8	83.2-120	0.657	9.49	
Ethylbenzene	1.96	0.050	mg/kg	2.00		98.2	84.4-120	0.314	12.6	
m,p-Xylene	3.77	0.100	mg/kg	4.00		94.3	79.6-123	0.583	13.3	
o-Xylene	1.88	0.050	mg/kg	2.00		94.0	80.5-121	0.354	11.7	
Total Xylenes	5.65	0.150	mg/kg	6.00		94.2	80.1-122	0.507	12.7	
Surrogate: 4-Bromofluorobenzene (PID)	0.0461		mg/kg	0.0500		92.2	71.5-127			

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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: PLU 13-1 PC
Project Number: 03C1558842
Project Manager: JOSHUA BOXLEY
Fax To:

Reported:
31-Aug-26 16:37

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6082203 - General Prep - Organics**Blank (6082203-BLK1)**

Prepared: 22-Aug-26 Analyzed: 24-Aug-26

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	36.5		mg/kg	50.0		72.9	48.6-117			
Surrogate: 1-Chlorooctadecane	33.5		mg/kg	50.0		66.9	40.5-120			

LCS (6082203-BS1)

Prepared: 22-Aug-26 Analyzed: 24-Aug-26

GRO C6-C10	201	10.0	mg/kg	200		101	82.4-118			
DRO >C10-C28	192	10.0	mg/kg	200		96.1	72.1-128			
Total TPH C6-C28	393	10.0	mg/kg	400		98.3	78.4-122			
Surrogate: 1-Chlorooctane	40.7		mg/kg	50.0		81.5	48.6-117			
Surrogate: 1-Chlorooctadecane	38.1		mg/kg	50.0		76.1	40.5-120			

LCS Dup (6082203-BS1)

Prepared: 22-Aug-26 Analyzed: 24-Aug-26

GRO C6-C10	200	10.0	mg/kg	200		100	82.4-118	0.324	7.67	
DRO >C10-C28	188	10.0	mg/kg	200		93.8	72.1-128	2.47	8.91	
Total TPH C6-C28	388	10.0	mg/kg	400		97.0	78.4-122	1.37	7.63	
Surrogate: 1-Chlorooctane	40.9		mg/kg	50.0		81.8	48.6-117			
Surrogate: 1-Chlorooctadecane	38.3		mg/kg	50.0		76.6	40.5-120			

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1

Company Name: Ensolum, LLC
Project Manager: Josh Boxley

Address: 3122 National Parks Hwy

City: Carlsbad State: NM Zip: 88220

Phone #: 580-730-1308 Fax #:

Project #: 03C1558842 Project Owner: XTO Energy, Inc.

Project Name: PLU 13-1 PC

Project Location: 32.2182431, -103.9318957

Sampler Name: Dean Ortiz

BILL TO

ANALYSIS REQUEST

P.O. #:

Company: XTO Energy, Inc.

Attn: Dale Woodall

Address: 3104 E Greene St.

City: Carlsbad

State: NM Zip: 88220

Phone #:

Fax #:

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

Sample Depth

Hobbs

SS380 28/31/15 Surface

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

8/21/26 11:15

BTEX

TPH

Chlorides

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Relinquished By:

Date:

Time:

Received By:

Verbal Result:

Yes

No

Add'l Phone #:

All Results are emailed. Please provide Email address:

dhortiz@ensolum.com, jboxley@ensolum.com, tmorrissey@ensolum.com, kthomas@ensolum.com

Relinquished By:

Date:

Time:

Received By:

REMARKS:

Incident No.: nAPP2606233467, nAPP2607627521

GFCM: 48605000 CC: 2275621001

Turnaround Time:

Standard

Rush

Bacteria (only) Sample Condition

Cool Intact

Observed Temp. °C

Corrected Temp. °C

Delivered By: (Circle One)

Observed Temp. °C

Corrected Temp. °C

Sample Condition

Cool Intact

Observed Temp. °C

Corrected Temp. °C

Checked By: (Initials)

Turnaround Time:

Standard

Rush

Bacteria (only) Sample Condition

Cool Intact

Observed Temp. °C

Corrected Temp. °C

Turnaround Time:

Standard

Rush

Bacteria (only) Sample Condition

Cool Intact

Observed Temp. °C

Corrected Temp. °C

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

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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 620062

QUESTIONS

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 620062
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2607627521
Incident Name	NAPP2607627521 PLU PAD C 13-24 708H @ H-13-24S-29E
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received

Location of Release Source

Please answer all the questions in this group.

Site Name	PLU PAD C 13-24 708H
Date Release Discovered	03/13/2026
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: Equipment Failure Other (Specify) Produced Water Released: 8 BBL Recovered: 0 BBL Lost: 8 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)	Frac suction hose leaking

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QUESTIONS, Page 2

Action 620062

QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 620062
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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: Richard Kotzur Title: Senior Project Manager Email: NMEnvNotifications@exxonmobil.com Date: 09/01/2026
--	---

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QUESTIONS, Page 3

Action 620062

QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 620062
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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 51 and 75 (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 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 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	Between 1 and 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)	26800
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	34721
GRO+DRO (EPA SW-846 Method 8015M)	29981
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	03/16/2026
On what date will (or did) the final sampling or liner inspection occur	11/30/2026
On what date will (or was) the remediation complete(d)	11/30/2026
What is the estimated surface area (in square feet) that will be reclaimed	19400
What is the estimated volume (in cubic yards) that will be reclaimed	1660
What is the estimated surface area (in square feet) that will be remediated	19400
What is the estimated volume (in cubic yards) that will be remediated	1660
<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 620062

QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 620062
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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: Richard Kotzur Title: Senior Project Manager Email: NMEnvNotifications@exxonmobil.com Date: 09/01/2026
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 620062

QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 620062
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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QUESTIONS, Page 6

Action 620062

QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 620062
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	614054
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/21/2026
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	No
--	----

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CONDITIONS

Action 620062

CONDITIONS

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 620062
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Remediation work plan is approved to include the following conditions of approval (COAs): 1. Because depth to groundwater has not been confirmed within 1/2 mile as of yet, the request for an alternative sampling plan to collect 5-point composite confirmation samples every 400 sq ft cannot be approved at this time. Once that information has been collected and confirmed, the request may again be submitted through the OCD Enviro email inbox (OCD.Enviro@emnrd.nm.gov) Please provide the need and reasoning for the alternative plan along with site characteristics for the request. The Environmental Field Compliance Group will provide the determination.	9/4/2026