



April 6, 2026

New Mexico Oil Conservation Division

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

**Re: Closure Request
Poker Lake Unit 19 Dog Town Draw CVB
Incident Number nAPP2528533269
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared this *Closure Request* to document assessment, surface scraping, and soil sampling activities at the Poker Lake Unit 19 Dog Town Draw CVB (Site). The purpose of the remedial activities was to assess the presence or absence of impacts to soil following equipment failure and release of crude oil at the Site. Based on field observations, field screening activities, and soil sample laboratory analytical results, XTO is submitting this *Closure Request*, describing assessment surface scraping, and soil sampling activities that have occurred and requesting no further remedial action for Incident Number nAPP2528533269.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit G, Section 19, Township 24 South, Range 30 East, in Eddy County, New Mexico (32.20482°, -103.91966°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On October 11, 2025, equipment failure resulted in a flare fire and the release of 3 barrels (bbls) of crude oil on pad surface and into the adjacent pasture. There were no fluids recovered due to the fire burning off any standing fluid. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) via Notification of Release (NOR), and an Initial C-141 Application (C-141) on October 12, 2025. The release was assigned Incident Number nAPP2528533269.

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.

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater data within the last 25 years. On November 22, 2022, the New Mexico Office of State Engineer (OSE) permitted soil boring (C-04676 POD1) was advanced to a depth of 120 feet bgs via air rotary drilling method. The borehole was located approximately 0.4 miles northeast of the Site. A field geologist logged and described soils continuously. The borehole was left open for 72 hours to allow for potential slow infill of groundwater. After the 72-hour waiting period without observing groundwater, it was confirmed that groundwater beneath the Site is greater than 120 feet bgs. The

borehole was properly abandoned using hydrated bentonite chips. All wells used for depth to groundwater determination are depicted on Figure 1 and the referenced Well Record & Log is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a seasonal dry wash located approximately 747 feet south 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.

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

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

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

DELINEATION ACTIVITIES

Between October 29 and December 10, 2025, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the C-141 and visual observations. A total of 24 delineation soil samples, SS01 through SS24, were collected from ground surface around the release extent, both on-pad and off-pad, to confirm lateral delineation. Five delineation potholes, PH01 through PH04, and BH01, were advanced via heavy equipment and hand auger to a depth of 0.5 feet below ground surface (bgs) to assess the vertical extent of the release. Discrete soil samples were collected from each pothole at depths ranging from pad surface to 0.5 feet bgs. All soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing Hach® chloride QuanTab® test strips. The release extent was mapped utilizing a handheld Global Positioning System (GPS) unit and is depicted on Figure 2. Photographic documentation was collected, and a Photographic Log is included in Appendix B. Field screening results and observations for all potholes were logged on lithologic/soil sampling logs, which are included in Appendix C.

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

Laboratory analytical results for delineation soil samples SS01 through SS24, collected around the release extent, indicated all COCs were in compliance with Closure Criteria and the strictest Table I Closure Criteria, successfully defining the lateral extent of the release.

Laboratory analytical results for delineation soil samples PH01 (surface) and PH03 (surface), collected within the release extent, indicated TPH exceeding the Closure Criteria, and delineation soil sample PH02 (surface) indicated TPH exceeding the strictest Table 1 Closure Criteria. Laboratory analytical results for delineation soil samples PH01 (0.5 ft bgs), PH02 (0.5 ft bgs), PH03 (0.5 ft bgs), PH04 (surface and 0.5 ft bgs), and BH01 (surface and 0.5 ft bgs), collected within and laterally around the release extent, indicated all COCs were in compliance with Closure Criteria and the strictest Table I Closure Criteria successfully defining the vertical extent of the release.

SURFACE SCRAPE AND CONFIRMATION SOIL SAMPLING ACTIVITIES

Between October 29 and December 10, 2025, following delineation activities, Ensolum personnel oversaw surface scraping activities. An area of approximately 2,762 square feet was surface scraped via heavy equipment to the maximum extent practicable (MEP). Following surface scraping activities on the pad, a total of thirty-seven 5-point confirmation soil samples, CS01 through CS37, were collected within the release extent and scraped area from a depth of 0.5 feet bgs. Confirmation soil samples CS03 through CS20 were collected from the scraped area on the pad, and confirmation soil samples CS01, CS02, and CS21 through CS37 were collected from the off-pad pasture area. The 5-point composite soil samples were collected by placing five equivalent aliquots of soil into a resealable plastic bag and homogenizing the samples by thoroughly mixing. All confirmation soil samples were handled, transported, and analyzed as described above at Cardinal in Hobbs, New Mexico.

Laboratory analytical results for confirmation soil sample CS36 indicated TPH concentrations exceeded Closure Criteria. On February 2, 2026, Ensolum personnel returned to the Site to oversee excavation of the waste-containing soil and conduct additional confirmation soil sampling. The area of confirmation soil sample CS36 was excavated to a depth of 0.5 feet bgs via hand shovels. Following excavation activities, 5-point confirmation soil samples were collected from the floor (CS36A) and sidewall (SW01) of the excavation. In addition, confirmation soil samples CS38 through CS42 were collected from the eastern surface scraped extent on the pad at a depth of 0.5 feet bgs. All confirmation soil samples were handled, transported, and analyzed as described above at Cardinal in Hobbs, New Mexico. The surface scrape extent, excavation extent, and soil sample locations are depicted on Figure 3. Photographic documentation is included in Appendix B.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all final confirmation soil samples CS01 through CS35, CS36A, SW01, and CS37 through CS42 indicated all COC concentrations in the confirmation soil samples were in compliance with the Closure Criteria and/or reclamation requirements, as applicable. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included in Appendix D.

CLOSURE REQUEST

Delineation and surface scraping activities were conducted at the Site to address the October 11, 2025, flare fire and crude oil release at the Site. The release occurred on pad and into the adjacent pasture. Laboratory analytical results for all final confirmation soil samples indicated all COC concentrations were compliant with the Closure Criteria and reclamation requirements, as applicable. Based on laboratory analytical results, no further remediation was required.

XTO Energy, Inc
Closure Request
Poker Lake Unit 19 Dog Town Draw CVB



Depth to groundwater has been estimated to be greater than 100 feet bgs and no sensitive receptors were identified near the release extent. XTO believes these remedial actions have been protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number nAPP2528533269.

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 that reads "Kara Naegeli".

Kara Naegeli
Staff Geologist

A handwritten signature in black ink that reads "Daniel R. Moir".

Daniel R. Moir, PG (licensed in WY & TX)
Senior Managing Geologist

cc: Robert Woodall, XTO
Richard Kotzur, XTO
BLM

Appendices:

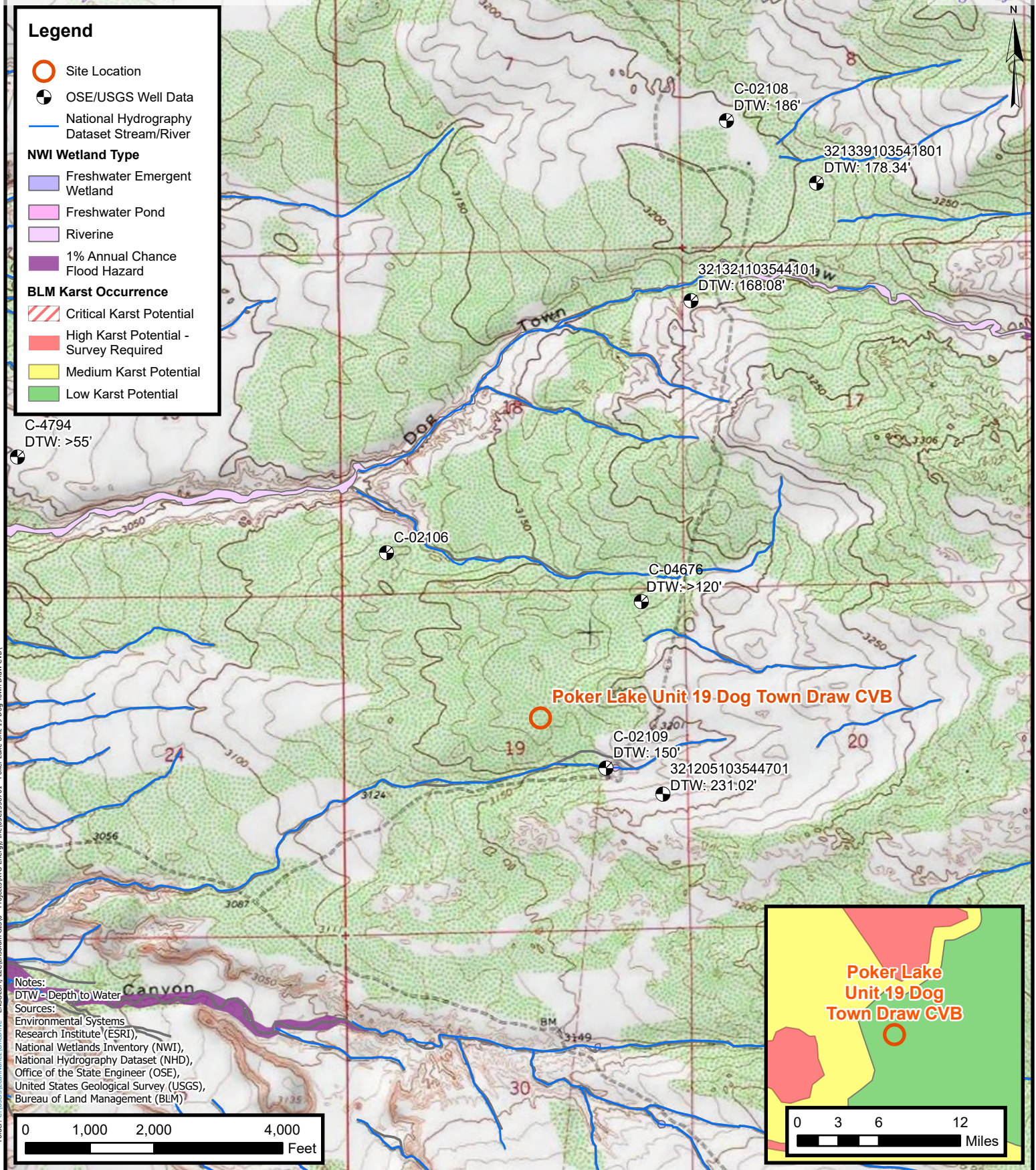
Figure 1 Site Receptor Map
Figure 2 Delineation Soil Sample Locations
Figure 3 Confirmation Soil Sample Locations

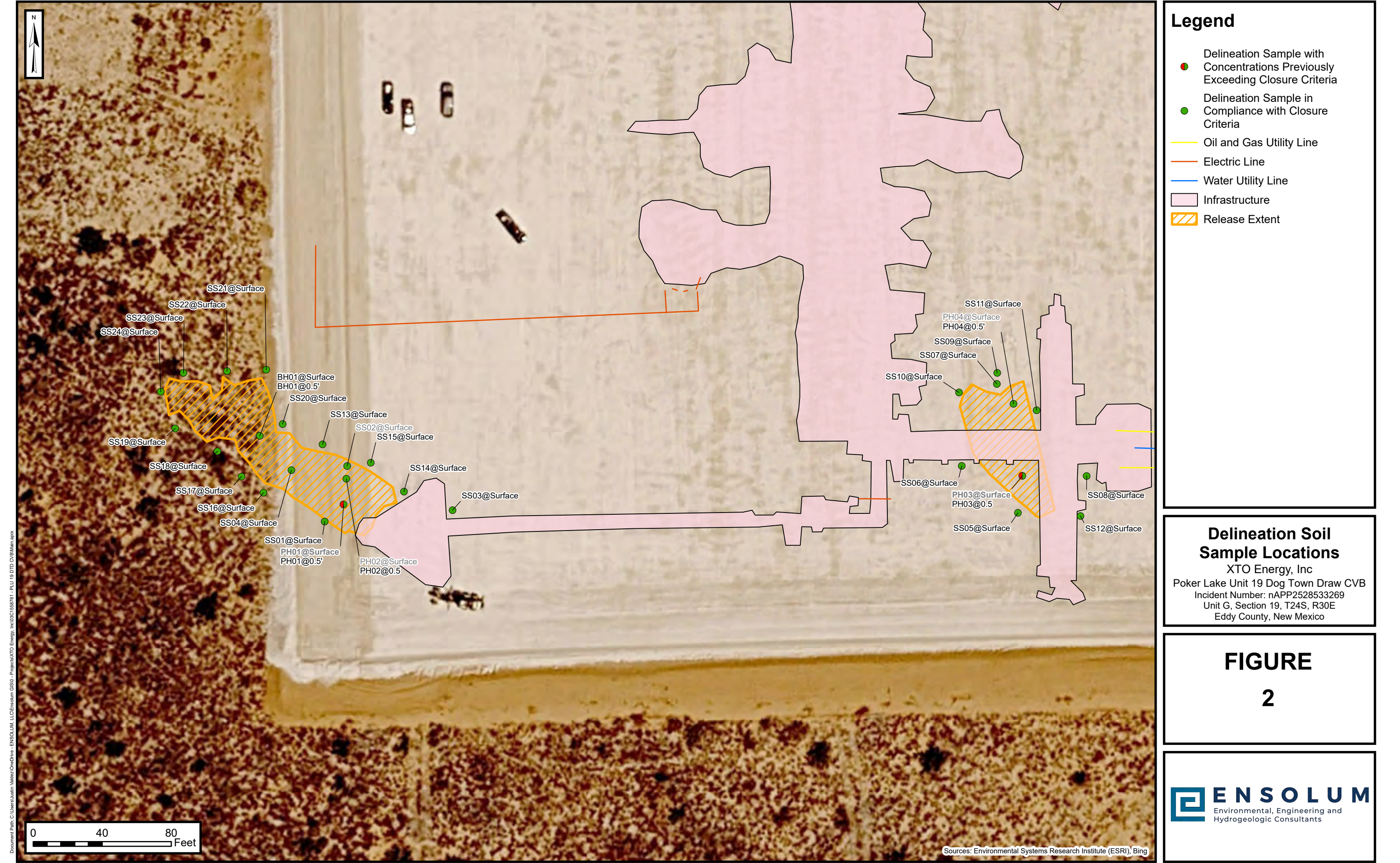
Table 1 Soil Sample Analytical Results

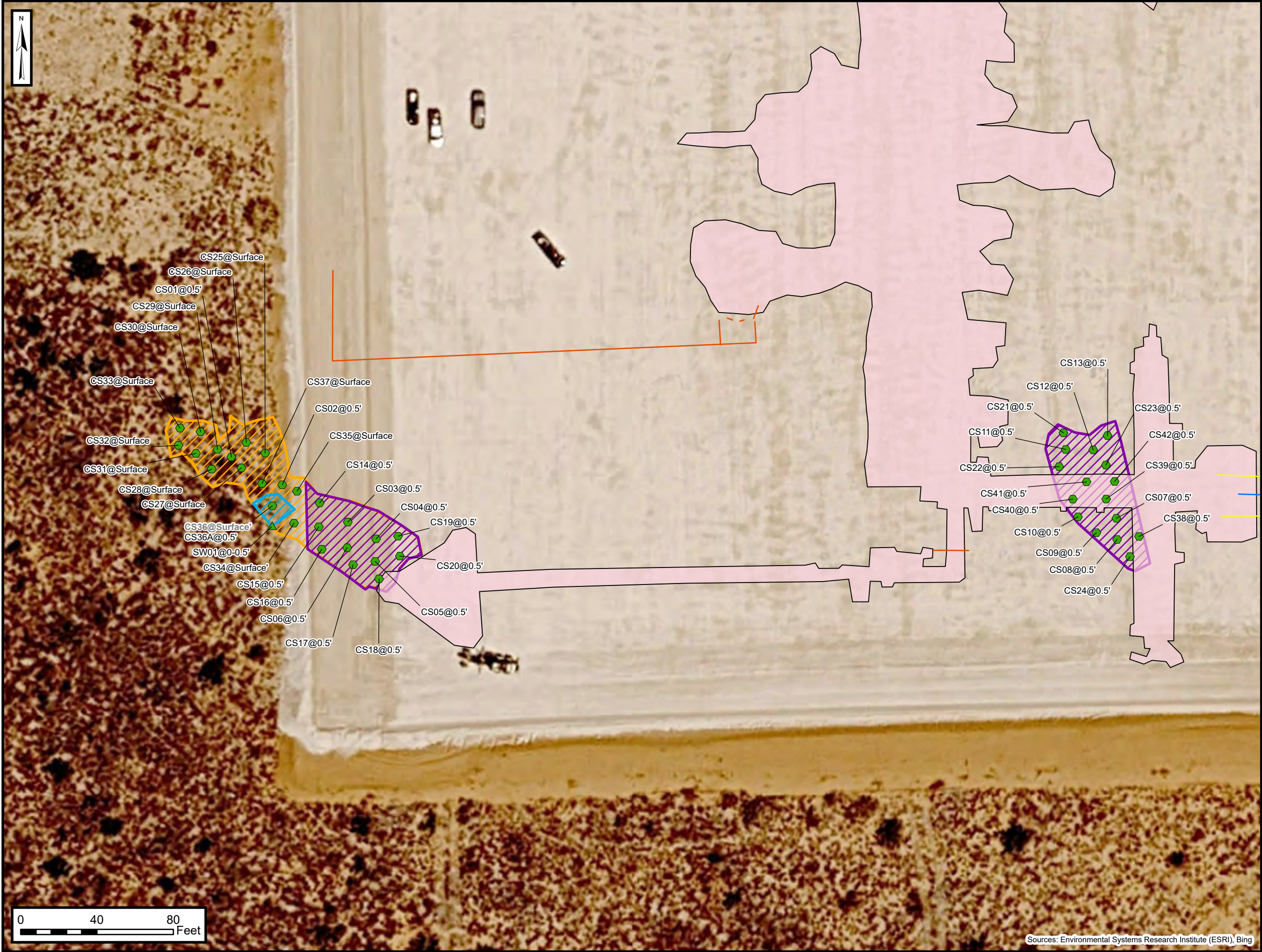
Appendix A Referenced Well Record
Appendix B Photographic Log
Appendix C Lithologic Soil Sampling Logs
Appendix D Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix E Spill Volume Calculation



FIGURES







Legend

- Confirmation Sample in Compliance with Closure Criteria
- Excavation Sidewall Sample in Compliance with Closure Criteria
- Oil and Gas Utility Line
- Electric Line
- Water Utility Line
- Infrastructure
- Excavation Extent
- Surface Scrape Extent
- Release Extent

Confirmation Soil Sample Locations
XTO Energy, Inc
Poker Lake Unit 19 Dog Town Draw CVB
Incident Number: nAPP2528533269
Unit G, Section 19, T24S, R30E
Eddy County, New Mexico

FIGURE 3





TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Poker Lake Unit 19 Dog Town Draw CVB
XTO Energy, Inc
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCB Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Reclamation Requirement			10	50	NE	NE	NE	NE	100	600
Delineation Soil Samples										
SS01	10/29/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS02	10/29/2025	Surface	<0.050	<0.300	<10.0	84.3	20.9	84.3	105	496
SS03	10/29/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
SS04	10/29/2025	Surface	<0.050	<0.300	<10.0	16.4	<10.0	16.4	16.4	16.0
SS05	10/29/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
SS06	10/29/2025	Surface	<0.050	<0.300	<10.0	59.0	10.9	59.0	69.9	560
SS07	10/29/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	800
SS08	10/29/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SS09	11/25/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SS10	11/25/2025	Surface	<0.050	<0.300	<10.0	24.0	<10.0	24.0	24.0	112
SS11	11/25/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS12	11/25/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS13	11/25/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SS14	11/25/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SS15	11/25/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SS16*	12/10/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS17*	12/10/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS18*	12/10/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS19*	12/10/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS20	12/10/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS21*	12/10/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS22*	12/10/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS23*	12/10/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS24*	12/10/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
PH01	10/30/2025	Surface	<0.050	<0.300	<10.0	1,040	559	1,040	1,599	480
PH01	10/29/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
PH02	10/30/2025	Surface	<0.050	<0.300	<10.0	398	291	398	689	416
PH02	10/29/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
PH03	10/30/2025	Surface	<0.050	<0.300	<10.0	1,330	276	1,330	1,606	208
PH03	10/29/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0



TABLE 1
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Poker Lake Unit 19 Dog Town Draw CVB
XTO Energy, Inc
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCB Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Reclamation Requirement			10	50	NE	NE	NE	NE	100	600
PH04	10/30/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
PH04	10/29/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
BH01*	10/30/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BH01*	10/29/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Confirmation Soil Samples										
CS01*	10/29/2025	0.5	<0.050	<0.300	<10.0	31.3	<10.0	31.3	31.3	32.0
CS02*	10/29/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS03	10/30/2025	0.5	<0.050	<0.300	<10.0	125	64.6	125	190	528
CS04	10/30/2025	0.5	<0.050	<0.300	<10.0	221	150	221	371	272
CS05	10/30/2025	0.5	<0.050	<0.300	<10.0	81.2	38.1	81.2	119	288
CS06	10/30/2025	0.5	<0.050	<0.300	<10.0	399	185	399	584	288
CS07	10/30/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS08	10/30/2025	0.5	<0.050	<0.300	<10.0	13.8	<10.0	13.8	13.8	80.0
CS09	10/30/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS10	10/30/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CS11	10/30/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
CS12	10/30/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
CS13	10/30/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
CS14	11/25/2025	0.5	<0.050	<0.300	<10.0	71.9	15.8	71.9	87.7	576
CS15	11/25/2025	0.5	<0.050	<0.300	<10.0	59.2	10.2	59.2	69.4	688
CS16	11/25/2025	0.5	<0.050	<0.300	<10.0	67.4	19.6	67.4	87.0	320
CS17	11/25/2025	0.5	<0.050	<0.300	<10.0	42.6	<10.0	42.6	42.6	672
CS18	11/25/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
CS19	11/25/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	640
CS20	11/25/2025	0.5	<0.050	<0.300	<10.0	18.5	<10.0	18.5	18.5	576
CS21	11/25/2025	0.5	<0.050	<0.300	<10.0	61.8	<10.0	61.8	61.8	192
CS22	11/25/2025	0.5	<0.050	<0.300	<10.0	271	48.7	271	320	192
CS23	11/25/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
CS24	11/25/2025	0.5	<0.050	<0.300	<10.0	22.8	<10.0	22.8	22.8	64.0
CS25*	12/10/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS26*	12/10/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
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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
Reclamation Requirement			10	50	NE	NE	NE	NE	100	600
CS27*	12/10/2025	Surface	<0.050	<0.300	<10.0	11.1	<10.0	11.1	11.1	<16.0
CS28*	12/10/2025	Surface	<0.050	<0.300	<10.0	12.3	<10.0	12.3	12.3	<16.0
CS29*	12/10/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS30*	12/10/2025	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS31*	12/10/2025	Surface	<0.050	<0.300	<10.0	14.0	<10.0	14.0	14.0	16.0
CS32*	12/10/2025	Surface	<0.050	<0.300	<10.0	42.6	13.9	42.6	56.5	<16.0
CS33*	12/10/2025	Surface	<0.050	<0.300	<10.0	17.1	<10.0	17.1	17.1	<16.0
CS34*	12/10/2025	Surface	<0.050	<0.300	<10.0	38.2	<10.0	38.2	38.2	16.0
CS35*	12/10/2025	Surface	<0.050	<0.300	<10.0	72.5	21.8	72.5	94.3	16.0
~~CS36*~~	~~12/10/2025~~	~~Surface~~	~~<0.050~~	~~<0.300~~	~~<10.0~~	~~126~~	~~40.9~~	~~126~~	~~167~~	~~<16.0~~
CS36A*	02/02/2026	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS37*	12/10/2025	Surface	<0.050	<0.300	<10.0	13.7	<10.0	13.7	13.7	<16.0
CS38	02/02/2026	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS39	02/02/2026	0.5	<0.050	<0.300	<10.0	86.4	11.7	86.4	98.1	32.0
CS40	02/02/2026	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS41	02/02/2026	0.5	<0.050	<0.300	<10.0	18.2	<10.0	18.2	18.2	16.0
CS42	02/02/2026	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW01	02/02/2026	0 - 0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code

Grey text indicates soil sample removed during excavation activities

* indicates sample is located in pasture area



APPENDIX A

Referenced Well Records



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

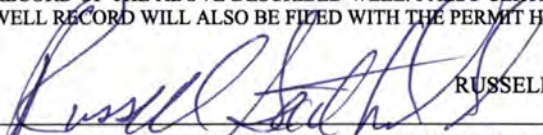
OSE OIT DEC 21 2022 PM3:14

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C-04676 POD 1		WELL TAG ID NO.		OSE FILE NO(S). C-04676			
	WELL OWNER NAME(S) XTO ENERGY INC				PHONE (OPTIONAL) 575-200-0729			
	WELL OWNER MAILING ADDRESS 3104 E GREENE ST				CITY CARLSBAD	STATE NM	ZIP 88220	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 12	SECONDS 32.66 N	* 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 POKER LAKE UNIT # 231								
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 11/22/22	DRILLING ENDED 11/22/22	DEPTH OF COMPLETED WELL (FT) 120	BORE HOLE DEPTH (FT)	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-04676	POD NO. 1	TRN NO. 736286
LOCATION 245.30E.19.1.2.2	WELL TAG ID NO.	PAGE 1 OF 2

	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				
4. HYDROGEOLOGIC LOG OF WELL	0	1		CALICHIE PAD	Y ✓ N	
	1	120		RED SAND	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
	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:					
USE ON DEC 21 2022 PM 3:14						
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					11/22/2022 _____ DATE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 04/30/2019)	
FILE NO.	C-04676	POD NO.	1
LOCATION		TRN NO.	736286
745.30E 19.1.2.2.		WELL TAG ID NO.	PAGE 2 OF 2



APPENDIX B

Photographic Log



Photographic Log

XTO Energy, Inc

Poker Lake Unit 19 Dog Town Draw CVB

Incident Number nAPP2528533269



Photograph: 1 Date: 10/11/2025
Description: Initial release scorching
View: Northeast



Photograph: 2 Date: 10/11/2025
Description: Initial release scorching
View: South



Photograph: 3 Date: 10/11/2025
Description: Initial release staining
View: North



Photograph: 4 Date: 10/29/2025
Description: Delineation activities; near PH01
View: Southeast

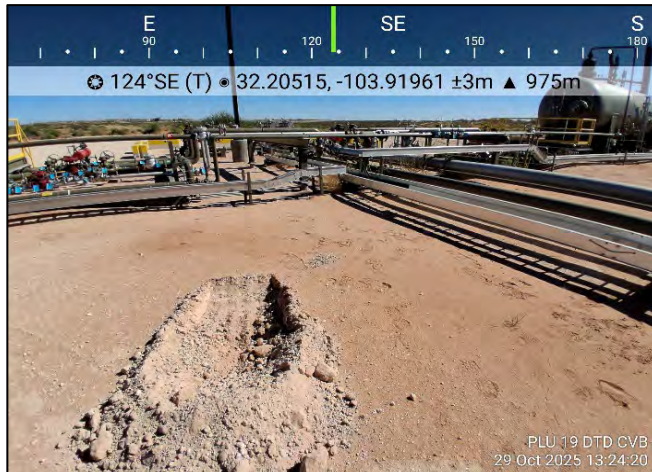


Photographic Log

XTO Energy, Inc

Poker Lake Unit 19 Dog Town Draw CVB

Incident Number nAPP2528533269



Photograph: 5 Date: 10/29/2025
Description: Delineation activities; near PH04
View: South



Photograph: 6 Date: 10/30/2025
Description: Scraped area; near CS03
View: South



Photograph: 7 Date: 10/30/2025
Description: Scraped area; near CS09
View: West



Photograph: 8 Date: 10/30/2025
Description: Scraped area; near CS09
View: Southwest



Photographic Log

XTO Energy, Inc

Poker Lake Unit 19 Dog Town Draw CVB

Incident Number nAPP2528533269



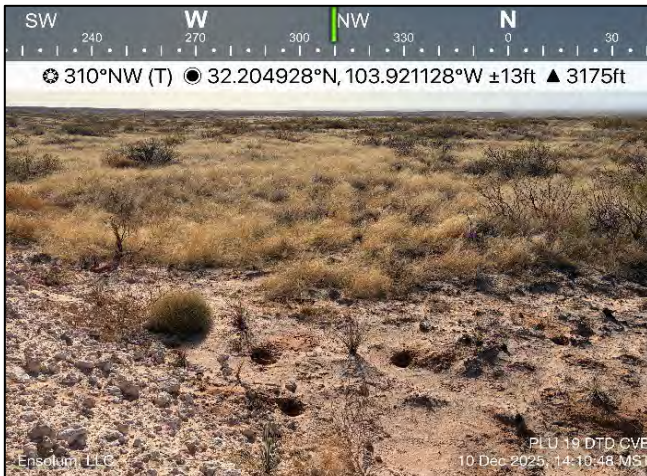
Photograph: 9 Date: 11/25/2025
Description: Delineation activities
View: East



Photograph: 10 Date: 11/25/2025
Description: Delineation activities
View: Southeast



Photograph: 11 Date: 12/10/2025
Description: Delineation activities
View: Northeast



Photograph: 12 Date: 12/10/2025
Description: Delineation activities
View: Northwest



Photographic Log

XTO Energy, Inc

Poker Lake Unit 19 Dog Town Draw CVB

Incident Number nAPP2528533269

36°NE (T) 32°12'17"N, 103°55'11"W ±13ft ▲ 3170ft



87°E (T) 32°12'17"N, 103°55'11"W ±9ft ▲ 3183ft



Photograph: 13 Date: 2/2/2026
Description: Confirmation sampling; near CS39
View: Northeast

Photograph: 14 Date: 2/2/2026
Description: Confirmation sampling; near CS40
View: East

126°SE (T) 32°12'19"N, 103°55'15"W ±62ft ▲ 3182ft



341°N (T) 32°12'17"N, 103°55'16"W ±9ft ▲ 3174ft



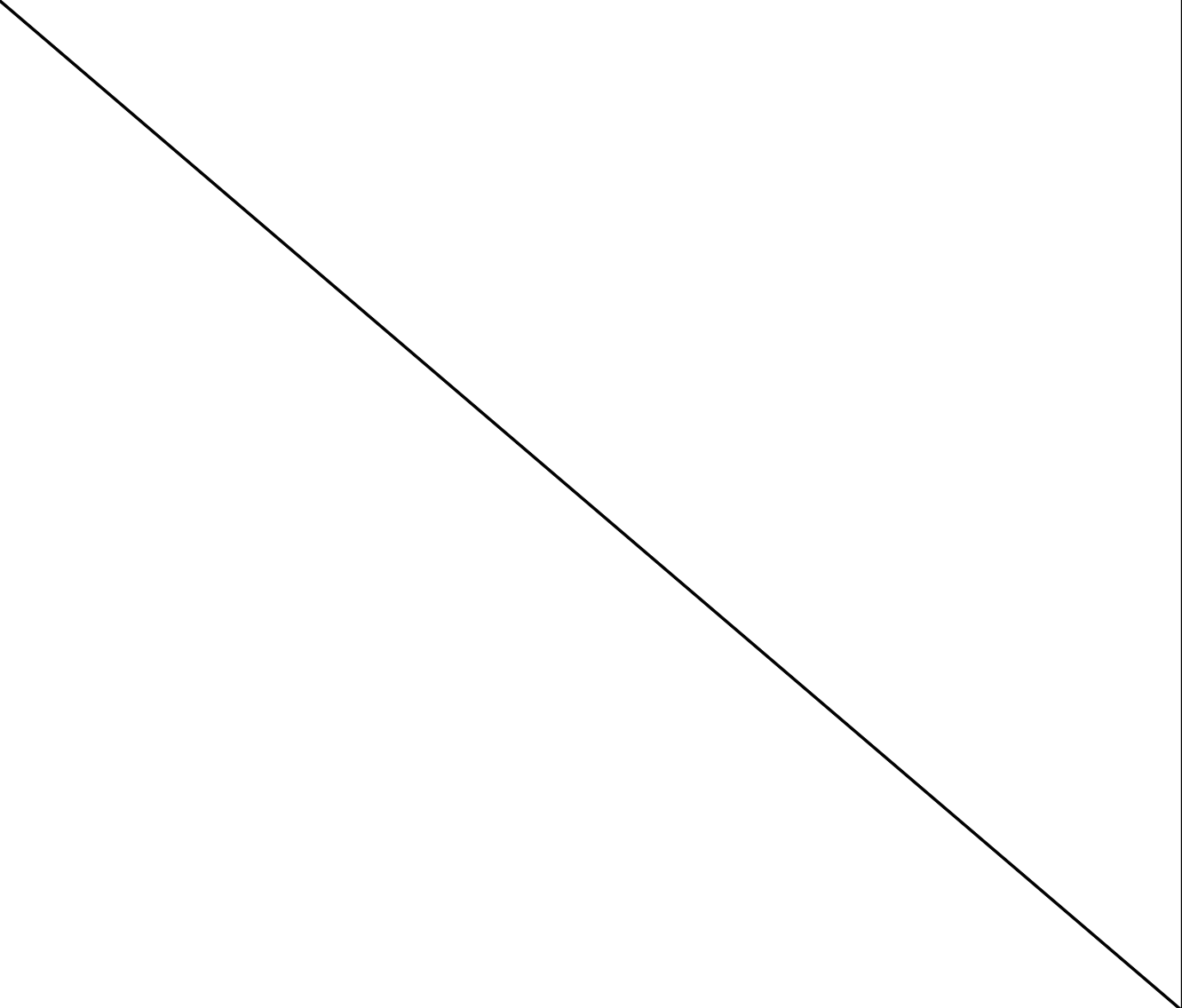
Photograph: 15 Date: 2/2/2026
Description: Excavation activities; near CS36
View: East

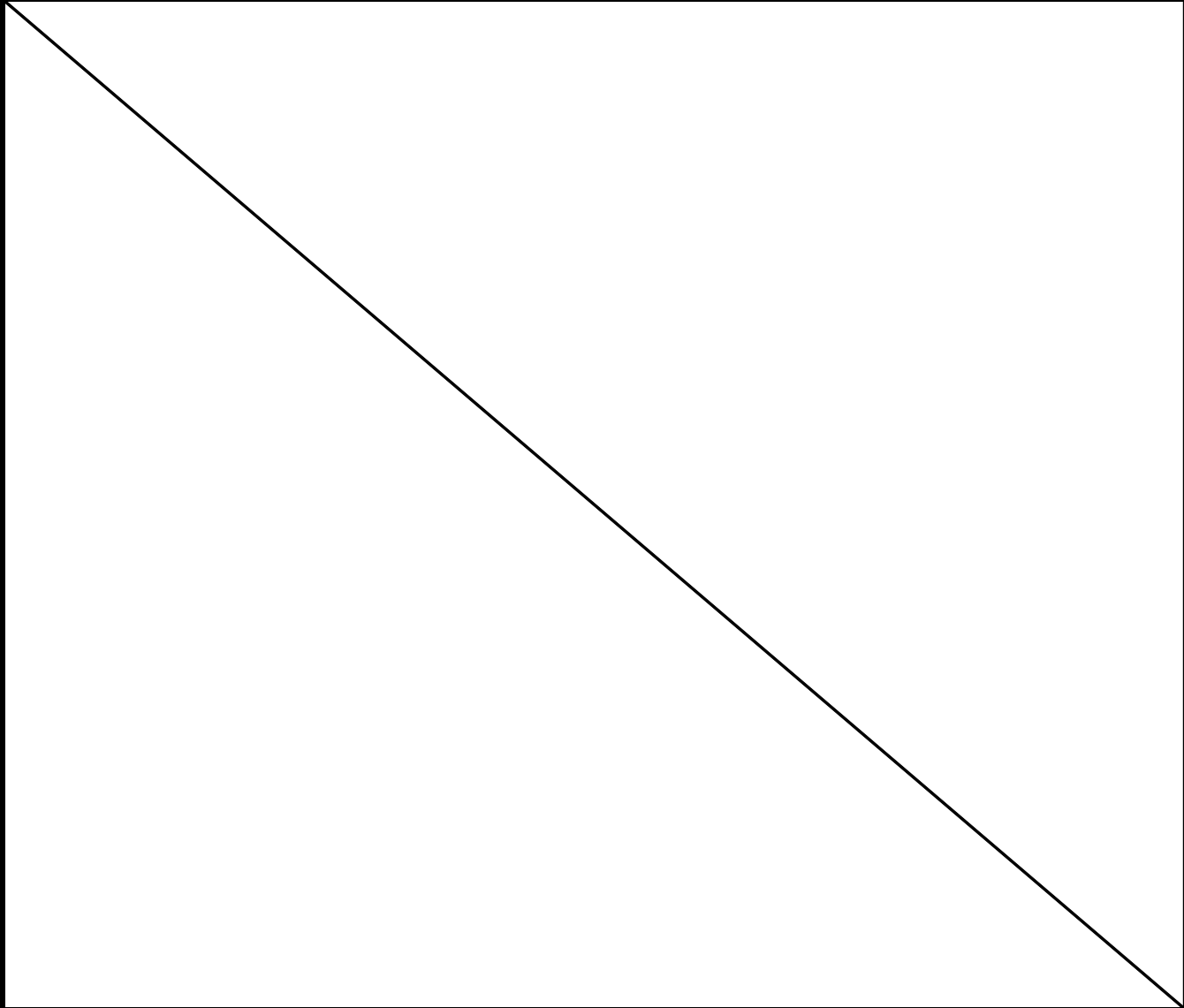
Photograph: 16 Date: 2/2/2026
Description: Excavation activities; near CS36
View: North

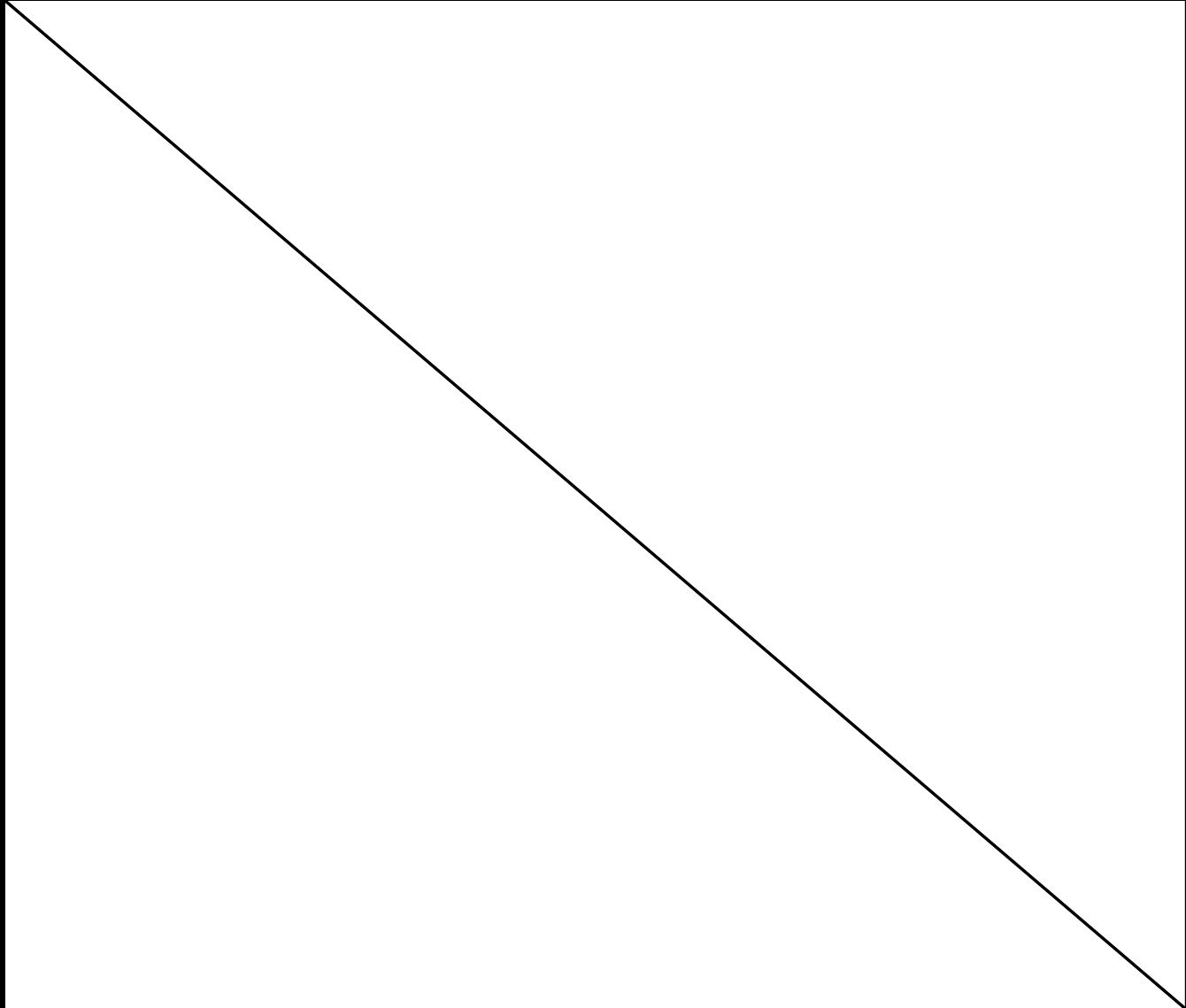


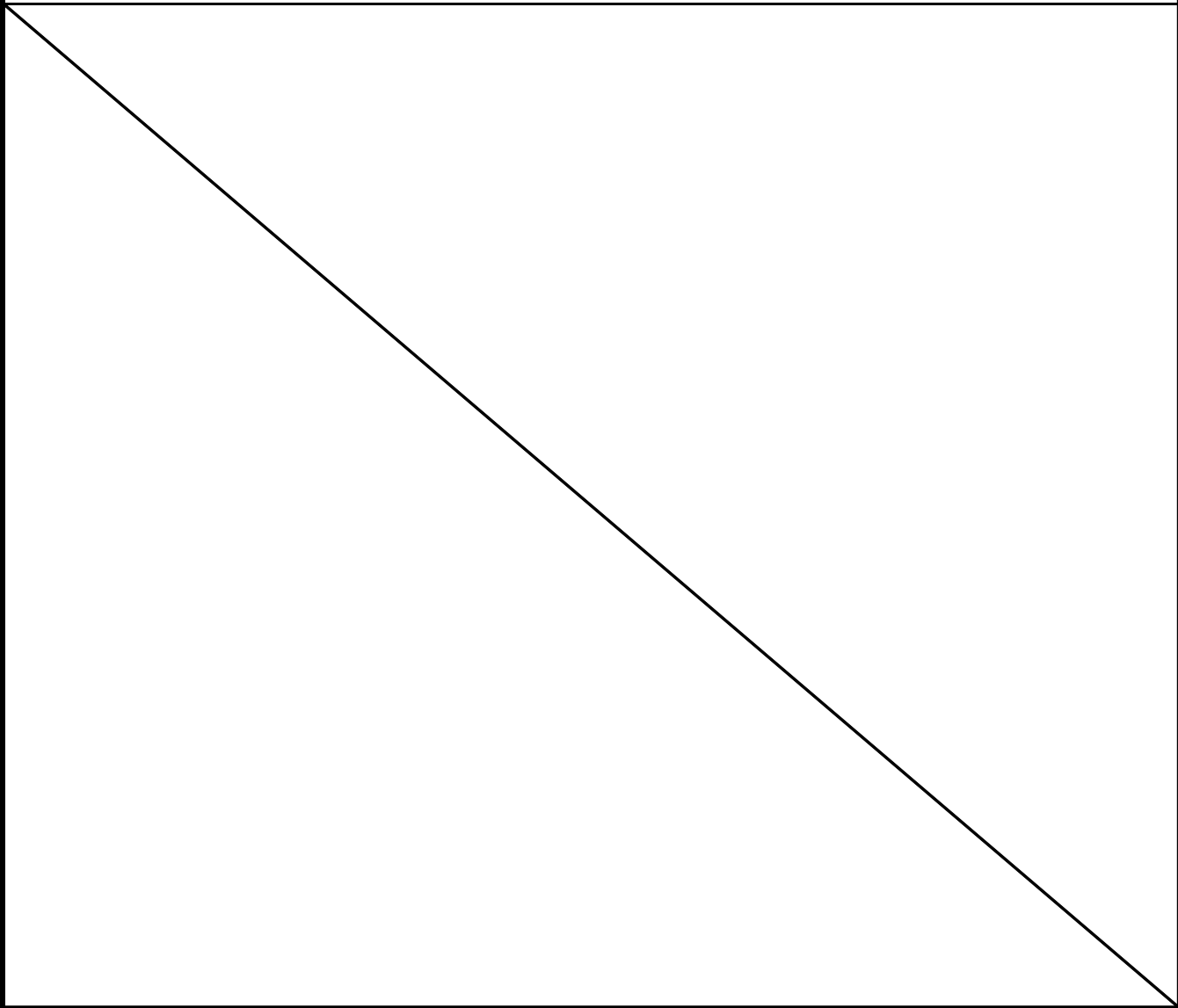
APPENDIX C

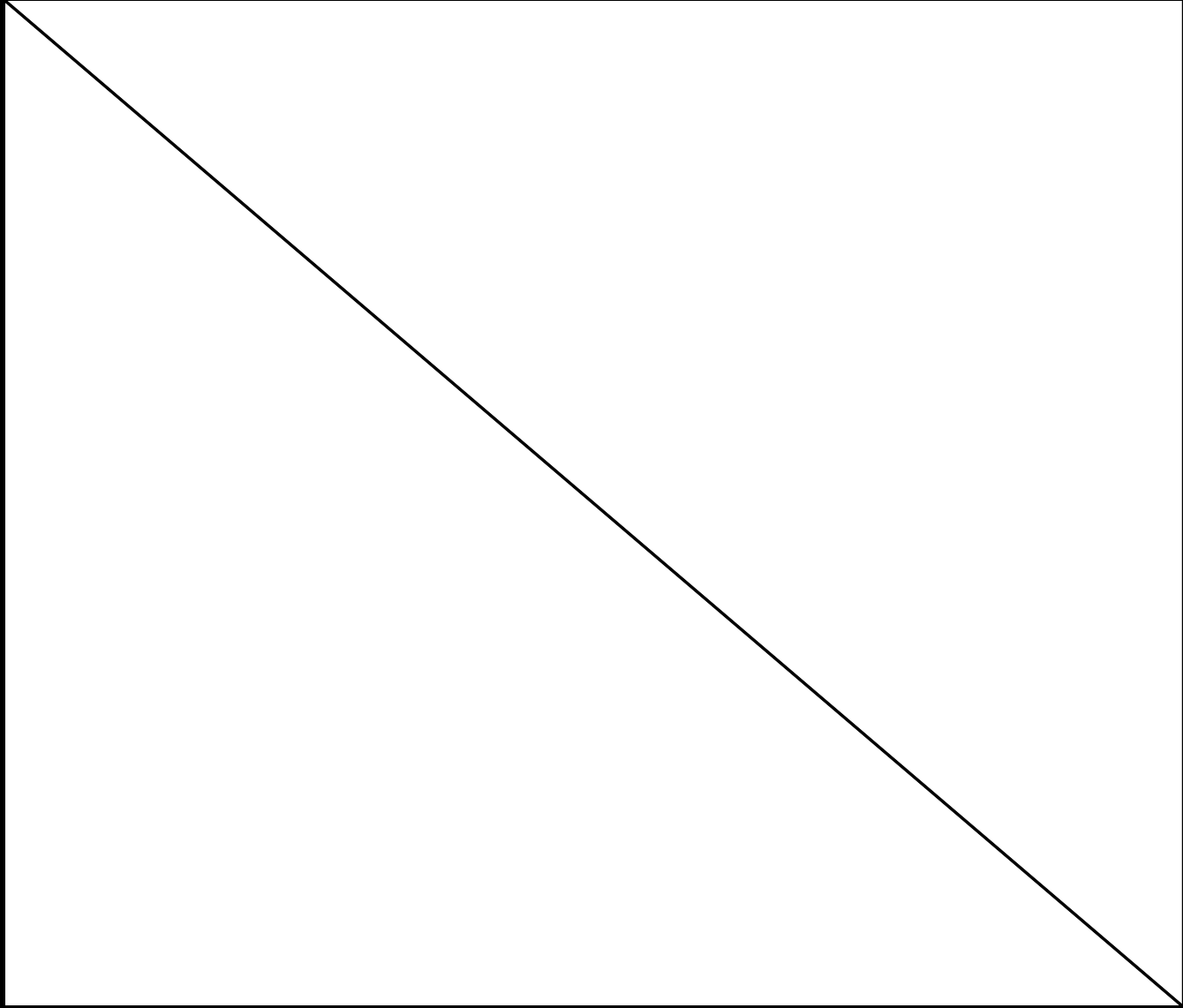
Lithologic Soil Sampling Logs

 ENSOLUM		Sample Name: PH01		Date: 10/29 - 10/30/25				
		Site Name: Poker Lake Unit 19 Dog Town Draw CVB						
		Incident Number: nAPP2528533269						
		Job Number: 03C1558761						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.204825, -103.921030			Logged By: TW		Method: Backhoe			
			Hole Diameter: 24"		Total Depth: 0.5'			
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. 40% 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	476	0.1	N	PH01	0	0	CCHE	(0 - 0.5') CALICHE, tan-white, well sorted.
D	<173	2.5	N	PH01	0.5	0.5		
Total depth @ 0.5 feet bgs								
								

								Sample Name: PH02		Date: 10/29 - 10/30/25	
								Site Name: Poker Lake Unit 19 Dog Town Draw CVB			
								Incident Number: nAPP2528533269			
								Job Number: 03C1558761			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: TW		Method: Backhoe	
Coordinates: 32.204866, -103.921024								Hole Diameter: 24"		Total Depth: 0.5'	
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. 40% 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	420	0.1	N	PH02	0	0	CCHE	(0 - 0.5') CALICHE, tan-white, well sorted.			
D	240	1.7	N	PH02	0.5	0.5					
Total depth @0.5 feet bgs											
											

 ENSOLUM								Sample Name: PH03		Date: 10/29 - 10/30/25	
								Site Name: Poker Lake Unit 19 Dog Town Draw CVB			
								Incident Number: nAPP2528533269			
								Job Number: 03C1558761			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: TW		Method: Backhoe	
Coordinates: 32.204861, -103.919759								Hole Diameter: 24"		Total Depth: 0.5'	
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. 40% 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	324	0.2	N	PH03	0	0	CCHE	(0 -0.5') CALICHE, tan-white, well sorted.			
D	<173	3.6	N	PH03	0.5	0.5					
Total depth@ 0.5 feet bgs											
											

 ENSOLUM					Sample Name: PH04		Date: 10/29 - 10/30/25	
					Site Name: Poker Lake Unit 19 Dog Town Draw CVB			
					Incident Number: nAPP2528533269			
					Job Number: 03C1558761			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: TW		Method: Backhoe	
Coordinates: 32.204976, -103.919773					Hole Diameter: 24"		Total Depth: 0.5'	
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. 40% 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	<173	0.6	N	PH04	0	0	CCHE	(0 - 0.5') CALICHE, tan-white, well sorted.
D	<173	7.7	N	PH04	0.5	0.5		
Total depth @0.5 feet bgs								
								

 ENSOLUM		Sample Name: BH01		Date: 10/29 - 10/30/25				
		Site Name: Poker Lake Unit 19 Dog Town Draw CVB						
		Incident Number: nAPP2528533269						
		Job Number: 03C1558761						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.204937, -103.921187			Logged By: TW		Method: Hand Auger			
			Hole Diameter: 4"		Total Depth: 0.5'			
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. 40% 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	<173	0.1	N	BH01	0	0	SP	(0 - 0.5') Brown, pasture sand, poorly graded, fine grained.
D	<173	3.4	N	BH01	0.5	0.5		
Total depth @ 0.5 feet bgs								
								



APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



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

November 05, 2025

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

RE: PLU 19 DTD CVB

Enclosed are the results of analyses for samples received by the laboratory on 10/30/25 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, LLC
 TRACY HILLARD
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 10/30/2025
 Reported: 11/05/2025
 Project Name: PLU 19 DTD CVB
 Project Number: 03C1558761
 Project Location: XTO 32.20482, -103.91966

Sampling Date: 10/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS 01 0.5 (H256845-01)

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	11/02/2025	ND	1.74	87.0	2.00	0.295	
Toluene*	<0.050	0.050	11/02/2025	ND	1.79	89.5	2.00	2.33	
Ethylbenzene*	<0.050	0.050	11/02/2025	ND	1.80	89.8	2.00	2.78	
Total Xylenes*	<0.150	0.150	11/02/2025	ND	5.68	94.7	6.00	3.06	
Total BTEX	<0.300	0.300	11/02/2025	ND					

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

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	10/31/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2025	ND	198	99.2	200	2.75	
DRO >C10-C28*	31.3	10.0	11/01/2025	ND	206	103	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	11/01/2025	ND					

Surrogate: 1-Chlorooctane 86.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 89.2 % 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, LLC
 TRACY HILLARD
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 10/30/2025
 Reported: 11/05/2025
 Project Name: PLU 19 DTD CVB
 Project Number: 03C1558761
 Project Location: XTO 32.20482, -103.91966

Sampling Date: 10/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS 02 0.5 (H256845-02)

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	11/02/2025	ND	1.74	87.0	2.00	0.295		
Toluene*	<0.050	0.050	11/02/2025	ND	1.79	89.5	2.00	2.33		
Ethylbenzene*	<0.050	0.050	11/02/2025	ND	1.80	89.8	2.00	2.78		
Total Xylenes*	<0.150	0.150	11/02/2025	ND	5.68	94.7	6.00	3.06		
Total BTEX	<0.300	0.300	11/02/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/31/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2025	ND	198	99.2	200	2.75	
DRO >C10-C28*	<10.0	10.0	11/01/2025	ND	206	103	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	11/01/2025	ND					

Surrogate: 1-Chlorooctane 91.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 92.7 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

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

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

Cardinal Laboratories

*=Accredited Analyte

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

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensolum, LLC

Project Manager: Tracy Hillard

Address: 601 N Marientfeld Street, Suite 400

City: Midland

Phone #: (575) 937-3906

Project #: 03C1558761

Project Name: PLU 19 DTD CVB

Project Location: 32.20482, -103.91966

Sampler Name: Trevor Wargo

BILL TO

ANALYSIS REQUEST

P.O. #:

Company: XTO Energy, Inc

Attn: Dale Woodall

Address: 3014 E Greene St

City: Carlsbad

State: NM Zip: 88220

Phone #:

Fax #:

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

Depth (feet)

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

TPH 8015

BTEX 8021

Chloride 4500

Verbal Result: ☐ Yes ☐ No

Add'l Phone #:

Remarks:

Incident Number: NAPE2528533269

Cost Center: 2210431001

GFCM: 48605000

Thermometer ID #13

Correction Factor: 0.3C

Standard

Bacteria (only)

Cool Intact

Sample Condition

Observed Temp. °C

CS-04024015-acl

10/29/25 12:01

12:05

TPH

BTEX

Chloride



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

November 05, 2025

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

RE: PLU 19 DTD CVB

Enclosed are the results of analyses for samples received by the laboratory on 10/30/25 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, LLC
 TRACY HILLARD
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 10/30/2025
 Reported: 11/05/2025
 Project Name: PLU 19 DTD CVB
 Project Number: 03C1558761
 Project Location: XTO 32.20482, -103.91966

Sampling Date: 10/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PH01 0.5' (H256846-01)

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	11/02/2025	ND	1.74	87.0	2.00	0.295		
Toluene*	<0.050	0.050	11/02/2025	ND	1.79	89.5	2.00	2.33		
Ethylbenzene*	<0.050	0.050	11/02/2025	ND	1.80	89.8	2.00	2.78		
Total Xylenes*	<0.150	0.150	11/02/2025	ND	5.68	94.7	6.00	3.06		
Total BTEx	<0.300	0.300	11/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 70.4-141

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	10/31/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2025	ND	198	99.2	200	2.75	
DRO >C10-C28*	<10.0	10.0	11/01/2025	ND	206	103	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	11/01/2025	ND					

Surrogate: 1-Chlorooctane 89.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 91.1 % 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, LLC
 TRACY HILLARD
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 10/30/2025
 Reported: 11/05/2025
 Project Name: PLU 19 DTD CVB
 Project Number: 03C1558761
 Project Location: XTO 32.20482, -103.91966

Sampling Date: 10/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PH02 0.5' (H256846-02)

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	11/02/2025	ND	1.74	87.0	2.00	0.295	
Toluene*	<0.050	0.050	11/02/2025	ND	1.79	89.5	2.00	2.33	
Ethylbenzene*	<0.050	0.050	11/02/2025	ND	1.80	89.8	2.00	2.78	
Total Xylenes*	<0.150	0.150	11/02/2025	ND	5.68	94.7	6.00	3.06	
Total BTEX	<0.300	0.300	11/02/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	10/31/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2025	ND	198	99.2	200	2.75	
DRO >C10-C28*	<10.0	10.0	11/01/2025	ND	206	103	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	11/01/2025	ND					

Surrogate: 1-Chlorooctane 85.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 86.1 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2025
 Reported: 11/05/2025
 Project Name: PLU 19 DTD CVB
 Project Number: 03C1558761
 Project Location: XTO 32.20482, -103.91966

Sampling Date: 10/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SS02 SURFACE (H256846-03)

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	11/02/2025	ND	1.74	87.0	2.00	0.295		
Toluene*	<0.050	0.050	11/02/2025	ND	1.79	89.5	2.00	2.33		
Ethylbenzene*	<0.050	0.050	11/02/2025	ND	1.80	89.8	2.00	2.78		
Total Xylenes*	<0.150	0.150	11/02/2025	ND	5.68	94.7	6.00	3.06		
Total BTEx	<0.300	0.300	11/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	10/31/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2025	ND	198	99.2	200	2.75	
DRO >C10-C28*	84.3	10.0	11/01/2025	ND	206	103	200	1.69	
EXT DRO >C28-C36	20.9	10.0	11/01/2025	ND					

Surrogate: 1-Chlorooctane 79.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.8 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2025
 Reported: 11/05/2025
 Project Name: PLU 19 DTD CVB
 Project Number: 03C1558761
 Project Location: XTO 32.20482, -103.91966

Sampling Date: 10/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH01 0.5' (H256846-04)

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	11/02/2025	ND	1.74	87.0	2.00	0.295		
Toluene*	<0.050	0.050	11/02/2025	ND	1.79	89.5	2.00	2.33		
Ethylbenzene*	<0.050	0.050	11/02/2025	ND	1.80	89.8	2.00	2.78		
Total Xylenes*	<0.150	0.150	11/02/2025	ND	5.68	94.7	6.00	3.06		
Total BTEx	<0.300	0.300	11/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/31/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2025	ND	198	99.2	200	2.75	
DRO >C10-C28*	<10.0	10.0	11/01/2025	ND	206	103	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	11/01/2025	ND					

Surrogate: 1-Chlorooctane 88.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 90.2 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2025
 Reported: 11/05/2025
 Project Name: PLU 19 DTD CVB
 Project Number: 03C1558761
 Project Location: XTO 32.20482, -103.91966

Sampling Date: 10/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SS04 SURFACE (H256846-05)

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	11/02/2025	ND	1.74	87.0	2.00	0.295		
Toluene*	<0.050	0.050	11/02/2025	ND	1.79	89.5	2.00	2.33		
Ethylbenzene*	<0.050	0.050	11/02/2025	ND	1.80	89.8	2.00	2.78		
Total Xylenes*	<0.150	0.150	11/02/2025	ND	5.68	94.7	6.00	3.06		
Total BTEx	<0.300	0.300	11/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/31/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2025	ND	198	99.2	200	2.75	
DRO >C10-C28*	16.4	10.0	11/01/2025	ND	206	103	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	11/01/2025	ND					

Surrogate: 1-Chlorooctane 87.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 90.1 % 39.9-141

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Analytical Results For:

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

Received: 10/30/2025
 Reported: 11/05/2025
 Project Name: PLU 19 DTD CVB
 Project Number: 03C1558761
 Project Location: XTO 32.20482, -103.91966

Sampling Date: 10/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SS01 SURFACE (H256846-06)

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	11/02/2025	ND	1.74	87.0	2.00	0.295		
Toluene*	<0.050	0.050	11/02/2025	ND	1.79	89.5	2.00	2.33		
Ethylbenzene*	<0.050	0.050	11/02/2025	ND	1.80	89.8	2.00	2.78		
Total Xylenes*	<0.150	0.150	11/02/2025	ND	5.68	94.7	6.00	3.06		
Total BTEx	<0.300	0.300	11/02/2025	ND						

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

Chloride, SM4500CI-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	10/31/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2025	ND	198	99.2	200	2.75	
DRO >C10-C28*	<10.0	10.0	11/01/2025	ND	206	103	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	11/01/2025	ND					

Surrogate: 1-Chlorooctane 88.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 90.1 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2025
 Reported: 11/05/2025
 Project Name: PLU 19 DTD CVB
 Project Number: 03C1558761
 Project Location: XTO 32.20482, -103.91966

Sampling Date: 10/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SS03 SURFACE (H256846-07)

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	11/02/2025	ND	1.74	87.0	2.00	0.295	
Toluene*	<0.050	0.050	11/02/2025	ND	1.79	89.5	2.00	2.33	
Ethylbenzene*	<0.050	0.050	11/02/2025	ND	1.80	89.8	2.00	2.78	
Total Xylenes*	<0.150	0.150	11/02/2025	ND	5.68	94.7	6.00	3.06	
Total BTEX	<0.300	0.300	11/02/2025	ND					

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

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	10/31/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2025	ND	198	99.2	200	2.75	
DRO >C10-C28*	<10.0	10.0	11/01/2025	ND	206	103	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	11/01/2025	ND					

Surrogate: 1-Chlorooctane 84.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.9 % 39.9-141

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Analytical Results For:

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

Received: 10/30/2025
 Reported: 11/05/2025
 Project Name: PLU 19 DTD CVB
 Project Number: 03C1558761
 Project Location: XTO 32.20482, -103.91966

Sampling Date: 10/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PH03 0.5' (H256846-08)

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	11/02/2025	ND	1.74	87.0	2.00	0.295	
Toluene*	<0.050	0.050	11/02/2025	ND	1.79	89.5	2.00	2.33	
Ethylbenzene*	<0.050	0.050	11/02/2025	ND	1.80	89.8	2.00	2.78	
Total Xylenes*	<0.150	0.150	11/02/2025	ND	5.68	94.7	6.00	3.06	
Total BTEX	<0.300	0.300	11/02/2025	ND					

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

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	10/31/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2025	ND	198	99.2	200	2.75	
DRO >C10-C28*	<10.0	10.0	11/01/2025	ND	206	103	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	11/01/2025	ND					

Surrogate: 1-Chlorooctane 83.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.7 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2025
 Reported: 11/05/2025
 Project Name: PLU 19 DTD CVB
 Project Number: 03C1558761
 Project Location: XTO 32.20482, -103.91966

Sampling Date: 10/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SS05 SURFACE (H256846-09)

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	11/02/2025	ND	1.74	87.0	2.00	0.295		
Toluene*	<0.050	0.050	11/02/2025	ND	1.79	89.5	2.00	2.33		
Ethylbenzene*	<0.050	0.050	11/02/2025	ND	1.80	89.8	2.00	2.78		
Total Xylenes*	<0.150	0.150	11/02/2025	ND	5.68	94.7	6.00	3.06		
Total BTEX	<0.300	0.300	11/02/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	10/31/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2025	ND	198	99.2	200	2.75	
DRO >C10-C28*	<10.0	10.0	11/01/2025	ND	206	103	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	11/01/2025	ND					

Surrogate: 1-Chlorooctane 67.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 69.5 % 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, LLC
 TRACY HILLARD
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 10/30/2025
 Reported: 11/05/2025
 Project Name: PLU 19 DTD CVB
 Project Number: 03C1558761
 Project Location: XTO 32.20482, -103.91966

Sampling Date: 10/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PH04 0.5' (H256846-10)

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	11/02/2025	ND	1.74	87.0	2.00	0.295		
Toluene*	<0.050	0.050	11/02/2025	ND	1.79	89.5	2.00	2.33		
Ethylbenzene*	<0.050	0.050	11/02/2025	ND	1.80	89.8	2.00	2.78		
Total Xylenes*	<0.150	0.150	11/02/2025	ND	5.68	94.7	6.00	3.06		
Total BTEx	<0.300	0.300	11/02/2025	ND						

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

Chloride, SM4500CI-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	10/31/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2025	ND	198	99.2	200	2.75	
DRO >C10-C28*	<10.0	10.0	11/01/2025	ND	206	103	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	11/01/2025	ND					

Surrogate: 1-Chlorooctane 84.3 % 52.4-130

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

Received: 10/30/2025
 Reported: 11/05/2025
 Project Name: PLU 19 DTD CVB
 Project Number: 03C1558761
 Project Location: XTO 32.20482, -103.91966

Sampling Date: 10/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SS06 SURFACE (H256846-11)

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	11/02/2025	ND	1.74	87.0	2.00	0.295		
Toluene*	<0.050	0.050	11/02/2025	ND	1.79	89.5	2.00	2.33		
Ethylbenzene*	<0.050	0.050	11/02/2025	ND	1.80	89.8	2.00	2.78		
Total Xylenes*	<0.150	0.150	11/02/2025	ND	5.68	94.7	6.00	3.06		
Total BTEx	<0.300	0.300	11/02/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	10/31/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2025	ND	198	99.2	200	2.75	
DRO >C10-C28*	59.0	10.0	11/01/2025	ND	206	103	200	1.69	
EXT DRO >C28-C36	10.9	10.0	11/01/2025	ND					

Surrogate: 1-Chlorooctane 84.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.4 % 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, LLC
 TRACY HILLARD
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 10/30/2025
 Reported: 11/05/2025
 Project Name: PLU 19 DTD CVB
 Project Number: 03C1558761
 Project Location: XTO 32.20482, -103.91966

Sampling Date: 10/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SS07 SURFACE (H256846-12)

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	11/02/2025	ND	1.74	87.0	2.00	0.295		
Toluene*	<0.050	0.050	11/02/2025	ND	1.79	89.5	2.00	2.33		
Ethylbenzene*	<0.050	0.050	11/02/2025	ND	1.80	89.8	2.00	2.78		
Total Xylenes*	<0.150	0.150	11/02/2025	ND	5.68	94.7	6.00	3.06		
Total BTEX	<0.300	0.300	11/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	800	16.0	10/31/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2025	ND	198	99.2	200	2.75	
DRO >C10-C28*	<10.0	10.0	11/01/2025	ND	206	103	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	11/01/2025	ND					

Surrogate: 1-Chlorooctane 86.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.5 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/30/2025
 Reported: 11/05/2025
 Project Name: PLU 19 DTD CVB
 Project Number: 03C1558761
 Project Location: XTO 32.20482, -103.91966

Sampling Date: 10/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SS08 SURFACE (H256846-13)

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	11/02/2025	ND	1.74	87.0	2.00	0.295		
Toluene*	<0.050	0.050	11/02/2025	ND	1.79	89.5	2.00	2.33		
Ethylbenzene*	<0.050	0.050	11/02/2025	ND	1.80	89.8	2.00	2.78		
Total Xylenes*	<0.150	0.150	11/02/2025	ND	5.68	94.7	6.00	3.06		
Total BTEx	<0.300	0.300	11/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

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	10/31/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2025	ND	198	99.2	200	2.75	
DRO >C10-C28*	<10.0	10.0	11/01/2025	ND	206	103	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	11/01/2025	ND					

Surrogate: 1-Chlorooctane 78.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 80.0 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1-2

Company Name: Ensolum, LLC		BILL TO		ANALYSIS REQUEST	
Project Manager: Tracy Hillard		P.O. #:			
Address: 601 N Marientfeld Street, Suite 400		Company: XTO Energy, Inc			
City: Midland		Attn: Dale Woodall			
Phone #: (575) 937-3906		Address: 3014 E Greene St			
Fax #: (575) 937-3906		City: Carlsbad			
Project #: 03C1558761		State: NM			
Project Name: PLU 19 DTD CVB		Zip: 88220			
Project Location: 32.20482, -103.91966		Phone #:			
Sampler Name: Trevor Wargo		Fax #:			

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.	DATE	TIME	SAMPLING				
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE				TPH 8015	BTEX 8021	Chloride 4500		
1	PH01	0.5	Gr 1	1							10/29/18	10:06					
2	PH02	↓										10:15					
3	SS02	surface										10:36					
4	BH01	0.5										11:03					
5	SS04	surface										12:07					
6	SS01	↓										12:33					
7	SS03	0.5										12:35					
8	PH03	↓										12:51					
9	SS05	surface										12:50					
10	BH04	0.5										13:12					

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CS - 04024015 - 1,2,4,5,7-13
NO LABS 3.6

Relinquished By: <i>Trevor Wargo</i>		Date: 10-30-25		Received By: <i>Trevor Wargo</i>		Date: 10-30-25	
Relinquished By: <i>Trevor Wargo</i>		Date: 10-30-25		Received By: <i>Trevor Wargo</i>		Date: 10-30-25	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C 3.4	Corrected Temp. °C 3.7	Sample Condition Cool ☒ Intact ☒ Yes ☒ No ☐	CHECKED BY: (Initials) <i>TW</i>	Turnaround Time: Standard ☒ Rush ☐	Bacteria (only) ☐
Thermometer ID #13		Thermometer Reading 0.5°C	Correction Factor -0.3°C	Cool Intact ☒ Yes ☒ No ☐	Sample Condition Cool ☒ Intact ☒ Yes ☒ No ☐	Corrected Temp. °C 3.4	Observed Temp. °C 3.7
REMARKS: Incident Number: nAPP2528533269 Cost Center: 2210431001 GFCM: 48605000 All Results are emailed. Please provide Email address: RHenson@ensolum.com, BBeill@ensolum.com, TMorrissey@ensolum.com, WWilliam.Ginn@hilcorp.com, THillard@ensolum.com, KThomason@ensolum.com, TWargo@ensolum.com							



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensolum, LLC Project Manager: Tracy Hillard				BILL TO				ANALYSIS REQUEST			
Address: 601 N Marientfeld Street, Suite 400 City: Midland Phone #: (575) 937-3906 Project #: 03C1558761 Project Name: PLU 19 DTD CVB Project Location: 32.20482, -103.91966 Sampler Name: Trevor Wargo				P.O. #: Company: XTO Energy, Inc Attn: Dale Woodall Address: 3014 E Greene St City: Carlsbad State: NM Zip: 88220 Phone #: Fax #:							
Lab I.D.				Sample I.D.				Depth (feet)			
11 5506 12 5507 13 5508				Surface ↓ ↓ ↓				(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :			
DATE				TIME				TPH 8015 BTEX 8021 Chloride 4500			
10/29/25 13:25 13:31 13:34				↓ ↓ ↓				TDU			

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Relinquished By: [Signature] Date: 10/30/25 Time: 14:00 Received By: [Signature] Date: Time:				Verbal Result: ☐ Yes ☐ No ☐ Add'l Phone #: REMARKS: Incident Number: nAPP2528533269 Cost Center: 2210431001 GFCM: 48805000			
Delivered By: (Circle One) Sampler - UPS - Bus - Other:				Observed Temp. °C 3.4 Corrected Temp. °C: 3.7			
Sample Condition Cool ☒ Intact ☒ Yes ☒ No ☐				CHECKED BY: [Signature] (Initials)			
Turnaround Time: Standard ☒ Rush ☐ Thermometer ID #13 Standard ☒ Rush ☐ Correction Factor: 0.5C Standard ☒ Rush ☐				Bacteria (only) Sample Condition Cool ☒ Intact ☒ Yes ☒ No ☐ Observed Temp. °C Corrected Temp. °C			



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

November 07, 2025

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

RE: PLU 19 DTD CVB

Enclosed are the results of analyses for samples received by the laboratory on 11/03/25 12:34.

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 "Coley D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/03/2025
 Reported: 11/07/2025
 Project Name: PLU 19 DTD CVB
 Project Number: 03C1558761
 Project Location: XTO 32.20482, -103.91966

Sampling Date: 10/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: PH 01 SURFACE (H256902-01)

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	11/04/2025	ND	1.89	94.5	2.00	4.75		
Toluene*	<0.050	0.050	11/04/2025	ND	2.06	103	2.00	2.72		
Ethylbenzene*	<0.050	0.050	11/04/2025	ND	1.98	98.8	2.00	3.69	GC-NC	
Total Xylenes*	<0.150	0.150	11/04/2025	ND	5.92	98.7	6.00	3.51		
Total BTX	<0.300	0.300	11/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	480	16.0	11/04/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2025	ND	219	110	200	1.12	
DRO >C10-C28*	1040	10.0	11/03/2025	ND	220	110	200	0.342	
EXT DRO >C28-C36	559	10.0	11/03/2025	ND					

Surrogate: 1-Chlorooctane 108 % 52.4-130

Surrogate: 1-Chlorooctadecane 136 % 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, LLC
 TRACY HILLARD
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 11/03/2025
 Reported: 11/07/2025
 Project Name: PLU 19 DTD CVB
 Project Number: 03C1558761
 Project Location: XTO 32.20482, -103.91966

Sampling Date: 10/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: PH 02 SURFACE (H256902-02)

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	11/04/2025	ND	1.89	94.5	2.00	4.75		
Toluene*	<0.050	0.050	11/04/2025	ND	2.06	103	2.00	2.72		
Ethylbenzene*	<0.050	0.050	11/04/2025	ND	1.98	98.8	2.00	3.69		
Total Xylenes*	<0.150	0.150	11/04/2025	ND	5.92	98.7	6.00	3.51		
Total BTEX	<0.300	0.300	11/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	416	16.0	11/04/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2025	ND	219	110	200	1.12	
DRO >C10-C28*	398	10.0	11/03/2025	ND	220	110	200	0.342	
EXT DRO >C28-C36	291	10.0	11/03/2025	ND					

Surrogate: 1-Chlorooctane 105 % 52.4-130

Surrogate: 1-Chlorooctadecane 117 % 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, LLC
 TRACY HILLARD
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 11/03/2025
 Reported: 11/07/2025
 Project Name: PLU 19 DTD CVB
 Project Number: 03C1558761
 Project Location: XTO 32.20482, -103.91966

Sampling Date: 10/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: PH 03 SURFACE (H256902-03)

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	11/04/2025	ND	1.89	94.5	2.00	4.75		
Toluene*	<0.050	0.050	11/04/2025	ND	2.06	103	2.00	2.72		
Ethylbenzene*	<0.050	0.050	11/04/2025	ND	1.98	98.8	2.00	3.69		
Total Xylenes*	<0.150	0.150	11/04/2025	ND	5.92	98.7	6.00	3.51		
Total BTEX	<0.300	0.300	11/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	208	16.0	11/04/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2025	ND	219	110	200	1.12	
DRO >C10-C28*	1330	10.0	11/03/2025	ND	220	110	200	0.342	
EXT DRO >C28-C36	276	10.0	11/03/2025	ND					

Surrogate: 1-Chlorooctane 126 % 52.4-130

Surrogate: 1-Chlorooctadecane 180 % 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, LLC
 TRACY HILLARD
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 11/03/2025
 Reported: 11/07/2025
 Project Name: PLU 19 DTD CVB
 Project Number: 03C1558761
 Project Location: XTO 32.20482, -103.91966

Sampling Date: 10/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: PH 04 SURFACE (H256902-04)

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	11/04/2025	ND	1.89	94.5	2.00	4.75		
Toluene*	<0.050	0.050	11/04/2025	ND	2.06	103	2.00	2.72		
Ethylbenzene*	<0.050	0.050	11/04/2025	ND	1.98	98.8	2.00	3.69		
Total Xylenes*	<0.150	0.150	11/04/2025	ND	5.92	98.7	6.00	3.51		
Total BTEX	<0.300	0.300	11/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	48.0	16.0	11/04/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2025	ND	219	110	200	1.12	
DRO >C10-C28*	<10.0	10.0	11/03/2025	ND	220	110	200	0.342	
EXT DRO >C28-C36	<10.0	10.0	11/03/2025	ND					

Surrogate: 1-Chlorooctane 126 % 52.4-130

Surrogate: 1-Chlorooctadecane 129 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/03/2025
 Reported: 11/07/2025
 Project Name: PLU 19 DTD CVB
 Project Number: 03C1558761
 Project Location: XTO 32.20482, -103.91966

Sampling Date: 10/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: BH 01 SURFACE (H256902-05)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/04/2025	ND	1.89	94.5	2.00	4.75		
Toluene*	<0.050	0.050	11/04/2025	ND	2.06	103	2.00	2.72		
Ethylbenzene*	<0.050	0.050	11/04/2025	ND	1.98	98.8	2.00	3.69		
Total Xylenes*	<0.150	0.150	11/04/2025	ND	5.92	98.7	6.00	3.51		
Total BTX	<0.300	0.300	11/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/04/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2025	ND	199	99.5	200	3.61	QR-03
DRO >C10-C28*	<10.0	10.0	11/03/2025	ND	187	93.4	200	0.198	
EXT DRO >C28-C36	<10.0	10.0	11/03/2025	ND					

Surrogate: 1-Chlorooctane 106 % 52.4-130

Surrogate: 1-Chlorooctadecane 105 % 39.9-141

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Notes and Definitions

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.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
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

$$\begin{matrix} 1 \\ 1 \\ 1 \end{matrix}$$

Company Name: Ensolum, LLC Project Manager: Tracy Hillard Address: 601 N Marientfeld Street, Suite 400 City: Midland Phone #: (575) 937-3906 Project #: 03C1558761 Project Name: PLU 19 DTD CVB Project Location: 32.20482, -103.91966 Sampler Name: Trevor Wargo										P.O. #: Company: XTO Energy, Inc Attn: Dale Woodall Address: 3014 E Greene St City: Carlsbad State: NM Zip: 88220 Phone #: Fax #:									
State: TX Zip: 79701										State: NM Zip: 88220									
Project Owner: Hilcorp - SPILLS										Project Location: 32.20482, -103.91966									
FOR LAB USE ONLY										LAB I.D.									
Sample I.D.										Depth (feet)									
PH01 PH02 PH03 PH04 BH01										Surface (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : DATE TIME									
10/30/25 9:06 9:08 9:27 9:23 9:49										TPH 8015 BTEX 8021 Chloride 4500									
Relinquished By:										Received By:									
Date: 11/3/05 Time: 1:30 PM										Date: 10/30/25 Time: 9:06 AM									
Relinquished By:										Received By:									
Turnaround Time:										Verbal Result: ☐ Yes ☐ No ☒ Add'l Phone #:									
All Results are emailed. Please provide Email address: Rhenson@ensolum.com BBell@ensolum.com, Morrissey@ensolum.com, William.Ginn@hilcorp.com THillard@ensolum.com, KThomason@ensolum.com, twargo@ensolum.com										REMARKS: Incident Number: NAPP252853269 Cost Center: 2210431001 GFCM: 48605000									
Turnaround Time:										Standard ☒ Rush ☐									
Thermometer ID #413 Correction Factor 0.5C										Bacteria (only) ☒ Cool Intact ☐ Yes ☐ No ☐ Sample Condition ☐ Observed Temp. °C ☐ Corrected Temp. °C									



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

November 07, 2025

TRACY HILLARD

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: PLU 19 DTD CVB

Enclosed are the results of analyses for samples received by the laboratory on 11/03/25 12:34.

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

Received: 11/03/2025
 Reported: 11/07/2025
 Project Name: PLU 19 DTD CVB
 Project Number: 03C1558761
 Project Location: XTO 32.20482, -103.91966

Sampling Date: 10/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS 03 0.5 (H256903-01)

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	11/04/2025	ND	1.89	94.5	2.00	4.75	
Toluene*	<0.050	0.050	11/04/2025	ND	2.06	103	2.00	2.72	
Ethylbenzene*	<0.050	0.050	11/04/2025	ND	1.98	98.8	2.00	3.69	
Total Xylenes*	<0.150	0.150	11/04/2025	ND	5.92	98.7	6.00	3.51	
Total BTEX	<0.300	0.300	11/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	11/04/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2025	ND	199	99.5	200	3.61	
DRO >C10-C28*	125	10.0	11/03/2025	ND	187	93.4	200	0.198	
EXT DRO >C28-C36	64.6	10.0	11/03/2025	ND					

Surrogate: 1-Chlorooctane 83.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.5 % 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, LLC
 TRACY HILLARD
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 11/03/2025
 Reported: 11/07/2025
 Project Name: PLU 19 DTD CVB
 Project Number: 03C1558761
 Project Location: XTO 32.20482, -103.91966

Sampling Date: 10/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS 04 0.5 (H256903-02)

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	11/04/2025	ND	1.89	94.5	2.00	4.75	
Toluene*	<0.050	0.050	11/04/2025	ND	2.06	103	2.00	2.72	
Ethylbenzene*	<0.050	0.050	11/04/2025	ND	1.98	98.8	2.00	3.69	
Total Xylenes*	<0.150	0.150	11/04/2025	ND	5.92	98.7	6.00	3.51	
Total BTEX	<0.300	0.300	11/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	11/04/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2025	ND	199	99.5	200	3.61	
DRO >C10-C28*	221	10.0	11/03/2025	ND	187	93.4	200	0.198	
EXT DRO >C28-C36	150	10.0	11/03/2025	ND					

Surrogate: 1-Chlorooctane 85.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 86.9 % 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, LLC
 TRACY HILLARD
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 11/03/2025
 Reported: 11/07/2025
 Project Name: PLU 19 DTD CVB
 Project Number: 03C1558761
 Project Location: XTO 32.20482, -103.91966

Sampling Date: 10/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS 05 0.5 (H256903-03)

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	11/04/2025	ND	1.89	94.5	2.00	4.75		
Toluene*	<0.050	0.050	11/04/2025	ND	2.06	103	2.00	2.72		
Ethylbenzene*	<0.050	0.050	11/04/2025	ND	1.98	98.8	2.00	3.69		
Total Xylenes*	<0.150	0.150	11/04/2025	ND	5.92	98.7	6.00	3.51		
Total BTX	<0.300	0.300	11/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	11/04/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2025	ND	199	99.5	200	3.61	
DRO >C10-C28*	81.2	10.0	11/03/2025	ND	187	93.4	200	0.198	
EXT DRO >C28-C36	38.1	10.0	11/03/2025	ND					

Surrogate: 1-Chlorooctane 118 % 52.4-130

Surrogate: 1-Chlorooctadecane 120 % 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, LLC
 TRACY HILLARD
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 11/03/2025
 Reported: 11/07/2025
 Project Name: PLU 19 DTD CVB
 Project Number: 03C1558761
 Project Location: XTO 32.20482, -103.91966

Sampling Date: 10/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS 06 0.5 (H256903-04)

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	11/04/2025	ND	1.89	94.5	2.00	4.75		
Toluene*	<0.050	0.050	11/04/2025	ND	2.06	103	2.00	2.72		
Ethylbenzene*	<0.050	0.050	11/04/2025	ND	1.98	98.8	2.00	3.69		
Total Xylenes*	<0.150	0.150	11/04/2025	ND	5.92	98.7	6.00	3.51		
Total BTEX	<0.300	0.300	11/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	11/04/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2025	ND	199	99.5	200	3.61	
DRO >C10-C28*	399	10.0	11/03/2025	ND	187	93.4	200	0.198	
EXT DRO >C28-C36	185	10.0	11/03/2025	ND					

Surrogate: 1-Chlorooctane 97.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 107 % 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, LLC
 TRACY HILLARD
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 11/03/2025
 Reported: 11/07/2025
 Project Name: PLU 19 DTD CVB
 Project Number: 03C1558761
 Project Location: XTO 32.20482, -103.91966

Sampling Date: 10/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS 07 0.5 (H256903-05)

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	11/04/2025	ND	1.89	94.5	2.00	4.75		
Toluene*	<0.050	0.050	11/04/2025	ND	2.06	103	2.00	2.72		
Ethylbenzene*	<0.050	0.050	11/04/2025	ND	1.98	98.8	2.00	3.69		
Total Xylenes*	<0.150	0.150	11/04/2025	ND	5.92	98.7	6.00	3.51		
Total BTEX	<0.300	0.300	11/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

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	11/04/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2025	ND	199	99.5	200	3.61	
DRO >C10-C28*	<10.0	10.0	11/03/2025	ND	187	93.4	200	0.198	
EXT DRO >C28-C36	<10.0	10.0	11/03/2025	ND					

Surrogate: 1-Chlorooctane 113 % 52.4-130

Surrogate: 1-Chlorooctadecane 114 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/03/2025
 Reported: 11/07/2025
 Project Name: PLU 19 DTD CVB
 Project Number: 03C1558761
 Project Location: XTO 32.20482, -103.91966

Sampling Date: 10/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS 08 0.5 (H256903-06)

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	11/04/2025	ND	1.89	94.5	2.00	4.75		
Toluene*	<0.050	0.050	11/04/2025	ND	2.06	103	2.00	2.72		
Ethylbenzene*	<0.050	0.050	11/04/2025	ND	1.98	98.8	2.00	3.69		
Total Xylenes*	<0.150	0.150	11/04/2025	ND	5.92	98.7	6.00	3.51		
Total BTEX	<0.300	0.300	11/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500Cl-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	11/04/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2025	ND	199	99.5	200	3.61	
DRO >C10-C28*	13.8	10.0	11/03/2025	ND	187	93.4	200	0.198	
EXT DRO >C28-C36	<10.0	10.0	11/03/2025	ND					

Surrogate: 1-Chlorooctane 79.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 80.7 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/03/2025
 Reported: 11/07/2025
 Project Name: PLU 19 DTD CVB
 Project Number: 03C1558761
 Project Location: XTO 32.20482, -103.91966

Sampling Date: 10/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS 09 0.5 (H256903-07)

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	11/04/2025	ND	1.89	94.5	2.00	4.75		
Toluene*	<0.050	0.050	11/04/2025	ND	2.06	103	2.00	2.72		
Ethylbenzene*	<0.050	0.050	11/04/2025	ND	1.98	98.8	2.00	3.69		
Total Xylenes*	<0.150	0.150	11/04/2025	ND	5.92	98.7	6.00	3.51		
Total BTEX	<0.300	0.300	11/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

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	11/04/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2025	ND	199	99.5	200	3.61	
DRO >C10-C28*	<10.0	10.0	11/03/2025	ND	187	93.4	200	0.198	
EXT DRO >C28-C36	<10.0	10.0	11/03/2025	ND					

Surrogate: 1-Chlorooctane 98.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 98.1 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/03/2025
 Reported: 11/07/2025
 Project Name: PLU 19 DTD CVB
 Project Number: 03C1558761
 Project Location: XTO 32.20482, -103.91966

Sampling Date: 10/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS 10 0.5 (H256903-08)

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	11/04/2025	ND	1.89	94.5	2.00	4.75		
Toluene*	<0.050	0.050	11/04/2025	ND	2.06	103	2.00	2.72		
Ethylbenzene*	<0.050	0.050	11/04/2025	ND	1.98	98.8	2.00	3.69		
Total Xylenes*	<0.150	0.150	11/04/2025	ND	5.92	98.7	6.00	3.51		
Total BTEX	<0.300	0.300	11/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 70.4-141

Chloride, SM4500Cl-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	11/04/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2025	ND	199	99.5	200	3.61	
DRO >C10-C28*	<10.0	10.0	11/03/2025	ND	187	93.4	200	0.198	
EXT DRO >C28-C36	<10.0	10.0	11/03/2025	ND					

Surrogate: 1-Chlorooctane 87.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 85.9 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/03/2025
 Reported: 11/07/2025
 Project Name: PLU 19 DTD CVB
 Project Number: 03C1558761
 Project Location: XTO 32.20482, -103.91966

Sampling Date: 10/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS 11 0.5 (H256903-09)

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	11/04/2025	ND	1.89	94.5	2.00	4.75		
Toluene*	<0.050	0.050	11/04/2025	ND	2.06	103	2.00	2.72		
Ethylbenzene*	<0.050	0.050	11/04/2025	ND	1.98	98.8	2.00	3.69		
Total Xylenes*	<0.150	0.150	11/04/2025	ND	5.92	98.7	6.00	3.51		
Total BTEX	<0.300	0.300	11/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

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	11/04/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2025	ND	199	99.5	200	3.61	
DRO >C10-C28*	<10.0	10.0	11/03/2025	ND	187	93.4	200	0.198	
EXT DRO >C28-C36	<10.0	10.0	11/03/2025	ND					

Surrogate: 1-Chlorooctane 82.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 80.7 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/03/2025
 Reported: 11/07/2025
 Project Name: PLU 19 DTD CVB
 Project Number: 03C1558761
 Project Location: XTO 32.20482, -103.91966

Sampling Date: 10/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS 12 0.5 (H256903-10)

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	11/04/2025	ND	1.89	94.5	2.00	4.75		
Toluene*	<0.050	0.050	11/04/2025	ND	2.06	103	2.00	2.72		
Ethylbenzene*	<0.050	0.050	11/04/2025	ND	1.98	98.8	2.00	3.69		
Total Xylenes*	<0.150	0.150	11/04/2025	ND	5.92	98.7	6.00	3.51		
Total BTEX	<0.300	0.300	11/04/2025	ND						

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

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	11/04/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2025	ND	199	99.5	200	3.61	
DRO >C10-C28*	<10.0	10.0	11/03/2025	ND	187	93.4	200	0.198	
EXT DRO >C28-C36	<10.0	10.0	11/03/2025	ND					

Surrogate: 1-Chlorooctane 81.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 80.0 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/03/2025
 Reported: 11/07/2025
 Project Name: PLU 19 DTD CVB
 Project Number: 03C1558761
 Project Location: XTO 32.20482, -103.91966

Sampling Date: 10/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS 13 0.5 (H256903-11)

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	11/04/2025	ND	1.89	94.5	2.00	4.75	
Toluene*	<0.050	0.050	11/04/2025	ND	2.06	103	2.00	2.72	
Ethylbenzene*	<0.050	0.050	11/04/2025	ND	1.98	98.8	2.00	3.69	
Total Xylenes*	<0.150	0.150	11/04/2025	ND	5.92	98.7	6.00	3.51	
Total BTEX	<0.300	0.300	11/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	11/04/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2025	ND	199	99.5	200	3.61	
DRO >C10-C28*	<10.0	10.0	11/03/2025	ND	187	93.4	200	0.198	
EXT DRO >C28-C36	<10.0	10.0	11/03/2025	ND					

Surrogate: 1-Chlorooctane 82.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 80.6 % 39.9-141

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Notes and Definitions

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.
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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

1-2

Company Name: Ensolum, LLC				BILL TO				ANALYSIS REQUEST				
Project Manager: Tracy Hillard				P.O. #:								
Address: 601 N Marientfeld Street, Suite 400				Company: XTO Energy, Inc								
City: Midland				Attn: Dale Woodall								
Phone #: (575) 937-3906				State: TX Zip: 79701								
Project #: 03C1558761				Project Owner: Hilcorp								
Project Name: PLU 19 DTD CVB				City: Carlsbad								
Project Location: 32.20482, -103.91966				State: NM Zip: 88220								
Sampler Name: Trevor Wargo				Phone #:								
				Fax #:								
FOR LAB USE ONLY												
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX			PRESERV	SAMPLING			
			GROUNDWATER		WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :
1	CS03	0.5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	CS04		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3	CS05		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4	CS06		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5	CS07		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6	CS08		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
7	CS09		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
8	CS10		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
9	CS11		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10	CS12		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the												
Relinquished By: <u>Trevor Wargo</u> Date: <u>11/23/25</u> Time: <u>18:34</u> Received By: <u>Trevor Wargo</u> Date: <u>11/23/25</u> Time: <u>18:34</u>												
Delivered By: (Circle One) <u>Observed Temp. °C</u> <u>2.1</u> <u>Corrected Temp. °C</u> <u>2.4</u> <u>Sample Condition</u> <u>Intact</u> <u>Yes</u> <u>Checked By:</u> <u>AW</u> <u>Turnaround Time:</u> <u>Standard</u> <u>Bacteria (only)</u> <u>Sample Condition</u> <u>Intact</u> <u>Yes</u> <u>Corrected Temp. °C</u> <u>2.4</u>												
REMARKS: Incident Number: NAPP2528533269 Cost Center: 2210431001 GFCM: 48605000												
All Results are emailed. Please provide Email address: RHenson@ensolum.com BBell@ensolum.com, TMorrissey@ensolum.com, WWilliam.Ginn@hilcorp.com THillard@ensolum.com, KThomason@ensolum.com twargo@ensolum.com												



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensolum, LLC		BILL TO		ANALYSIS REQUEST			
Project Manager: Tracy Hillard		P.O. #:					
Address: 601 N Marientfeld Street, Suite 400		Company: XTO Energy, Inc					
City: Midland		Attn: Dale Woodall					
Phone #: (575) 937-3906		Address: 3014 E Greene St					
Fax #:		City: Carlsbad					
Project #: 03C1558761		State: NM		Zip: 88220			
Project Name: PLU 19 DTD CVB		Phone #:					
Project Location: 32.20482, -103.91966		Fax #:					
Sampler Name: Trevor Wargo							

[illegible]

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the

Verification of Successors: Among out of the performance of the successor, the successor is required to provide a written report to the court, which shall be filed with the court. The court shall have the authority to require the successor to provide a written report to the court, which shall be filed with the court.									
Relinquished By:		Date: 11.3.25		Received By:		Verbal Result: ☐ Yes ☐ No Add'l Phone #:			
Relinquished By:		Time: 1:34		Received By:		All Results are emailed. Please provide Email address: RHamson@ensolum.com BBell@ensolum.com, TMorrissey@ensolum.com, William.Ginn@hilcorp.com THilland@ensolum.com, KThomason@ensolum.com, twargo@ensolum.com REMARKS: Incident Number: nAP2528533269 Cost Center: 2210431001 GFCM: 48605000			
		Date:							
Time:									
Delivered By: (Circle One)		Observed Temp. °C 2.1		Sample Condition		CHECKED BY: (Initials)			
Cool ☐ Intact ☒		Corrected Temp. °C 2.4		Cool ☐ Yes ☒ No ☐ Yes ☐ No ☐		Thermometer ID #413 #1100 Rush			
Sampler - UPS - Bus - Other:						Turnaround Time: Standard ☒ Rush ☐			
						Bacteria (only) Sample Condition Cool Intact ☐ Observed Temp. °C Cool ☐ Yes ☐ No ☐ Yes ☐ No ☐ Corrected Temp. °C			



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

December 04, 2025

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: PLU 19 DTD CVB - SPILL

Enclosed are the results of analyses for samples received by the laboratory on 11/26/25 12:06.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/26/2025	Sampling Date:	11/25/2025
Reported:	12/04/2025	Sampling Type:	Soil
Project Name:	PLU 19 DTD CVB - SPILL	Sampling Condition:	Cool & Intact
Project Number:	03C1558761	Sample Received By:	Alyssa Parras
Project Location:	32.20482, -103.91966		

Sample ID: CS 15 0.5 (H257451-01)

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	12/01/2025	ND	1.89	94.3	2.00	0.599		
Toluene*	<0.050	0.050	12/01/2025	ND	2.22	111	2.00	3.00		
Ethylbenzene*	<0.050	0.050	12/01/2025	ND	2.29	115	2.00	3.53		
Total Xylenes*	<0.150	0.150	12/01/2025	ND	6.82	114	6.00	3.43		
Total BTEX	<0.300	0.300	12/01/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	12/02/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/01/2025	ND	161	80.6	200	3.21	
DRO >C10-C28*	59.2	10.0	12/01/2025	ND	176	88.1	200	0.580	
EXT DRO >C28-C36	10.2	10.0	12/01/2025	ND					

Surrogate: 1-Chlorooctane 84.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 89.8 % 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
TRACY HILLARD
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	11/26/2025	Sampling Date:	11/25/2025
Reported:	12/04/2025	Sampling Type:	Soil
Project Name:	PLU 19 DTD CVB - SPILL	Sampling Condition:	Cool & Intact
Project Number:	03C1558761	Sample Received By:	Alyssa Parras
Project Location:	32.20482, -103.91966		

Sample ID: CS 16 0.5 (H257451-02)

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	12/01/2025	ND	1.89	94.3	2.00	0.599	
Toluene*	<0.050	0.050	12/01/2025	ND	2.22	111	2.00	3.00	
Ethylbenzene*	<0.050	0.050	12/01/2025	ND	2.29	115	2.00	3.53	
Total Xylenes*	<0.150	0.150	12/01/2025	ND	6.82	114	6.00	3.43	
Total BTEX	<0.300	0.300	12/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	12/02/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/01/2025	ND	161	80.6	200	3.21	
DRO >C10-C28*	67.4	10.0	12/01/2025	ND	176	88.1	200	0.580	
EXT DRO >C28-C36	19.6	10.0	12/01/2025	ND					

Surrogate: 1-Chlorooctane 70.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 73.8 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/26/2025	Sampling Date:	11/25/2025
Reported:	12/04/2025	Sampling Type:	Soil
Project Name:	PLU 19 DTD CVB - SPILL	Sampling Condition:	Cool & Intact
Project Number:	03C1558761	Sample Received By:	Alyssa Parras
Project Location:	32.20482, -103.91966		

Sample ID: CS 17 0.5 (H257451-03)

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	12/01/2025	ND	1.89	94.3	2.00	0.599		
Toluene*	<0.050	0.050	12/01/2025	ND	2.22	111	2.00	3.00		
Ethylbenzene*	<0.050	0.050	12/01/2025	ND	2.29	115	2.00	3.53		
Total Xylenes*	<0.150	0.150	12/01/2025	ND	6.82	114	6.00	3.43		
Total BTEx	<0.300	0.300	12/01/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	672	16.0	12/02/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/01/2025	ND	161	80.6	200	3.21	
DRO >C10-C28*	42.6	10.0	12/01/2025	ND	176	88.1	200	0.580	
EXT DRO >C28-C36	<10.0	10.0	12/01/2025	ND					

Surrogate: 1-Chlorooctane 86.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 89.0 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/26/2025	Sampling Date:	11/25/2025
Reported:	12/04/2025	Sampling Type:	Soil
Project Name:	PLU 19 DTD CVB - SPILL	Sampling Condition:	Cool & Intact
Project Number:	03C1558761	Sample Received By:	Alyssa Parras
Project Location:	32.20482, -103.91966		

Sample ID: CS 18 0.5 (H257451-04)

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	12/01/2025	ND	1.89	94.3	2.00	0.599		
Toluene*	<0.050	0.050	12/01/2025	ND	2.22	111	2.00	3.00		
Ethylbenzene*	<0.050	0.050	12/01/2025	ND	2.29	115	2.00	3.53		
Total Xylenes*	<0.150	0.150	12/01/2025	ND	6.82	114	6.00	3.43		
Total BTEx	<0.300	0.300	12/01/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	12/02/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/01/2025	ND	161	80.6	200	3.21	
DRO >C10-C28*	<10.0	10.0	12/01/2025	ND	176	88.1	200	0.580	
EXT DRO >C28-C36	<10.0	10.0	12/01/2025	ND					

Surrogate: 1-Chlorooctane 83.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.0 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/26/2025	Sampling Date:	11/25/2025
Reported:	12/04/2025	Sampling Type:	Soil
Project Name:	PLU 19 DTD CVB - SPILL	Sampling Condition:	Cool & Intact
Project Number:	03C1558761	Sample Received By:	Alyssa Parras
Project Location:	32.20482, -103.91966		

Sample ID: CS 19 0.5 (H257451-05)

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	12/01/2025	ND	1.89	94.3	2.00	0.599		
Toluene*	<0.050	0.050	12/01/2025	ND	2.22	111	2.00	3.00		
Ethylbenzene*	<0.050	0.050	12/01/2025	ND	2.29	115	2.00	3.53		
Total Xylenes*	<0.150	0.150	12/01/2025	ND	6.82	114	6.00	3.43		
Total BTEx	<0.300	0.300	12/01/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	12/02/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/01/2025	ND	161	80.6	200	3.21	
DRO >C10-C28*	<10.0	10.0	12/01/2025	ND	176	88.1	200	0.580	
EXT DRO >C28-C36	<10.0	10.0	12/01/2025	ND					

Surrogate: 1-Chlorooctane 86.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.0 % 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
TRACY HILLARD
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	11/26/2025	Sampling Date:	11/25/2025
Reported:	12/04/2025	Sampling Type:	Soil
Project Name:	PLU 19 DTD CVB - SPILL	Sampling Condition:	Cool & Intact
Project Number:	03C1558761	Sample Received By:	Alyssa Parras
Project Location:	32.20482, -103.91966		

Sample ID: CS 20 0.5 (H257451-06)

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	12/01/2025	ND	1.89	94.3	2.00	0.599		
Toluene*	<0.050	0.050	12/01/2025	ND	2.22	111	2.00	3.00		
Ethylbenzene*	<0.050	0.050	12/01/2025	ND	2.29	115	2.00	3.53		
Total Xylenes*	<0.150	0.150	12/01/2025	ND	6.82	114	6.00	3.43		
Total BTEx	<0.300	0.300	12/01/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	12/01/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/01/2025	ND	161	80.6	200	3.21	
DRO >C10-C28*	18.5	10.0	12/01/2025	ND	176	88.1	200	0.580	
EXT DRO >C28-C36	<10.0	10.0	12/01/2025	ND					

Surrogate: 1-Chlorooctane 90.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 92.1 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/26/2025	Sampling Date:	11/25/2025
Reported:	12/04/2025	Sampling Type:	Soil
Project Name:	PLU 19 DTD CVB - SPILL	Sampling Condition:	Cool & Intact
Project Number:	03C1558761	Sample Received By:	Alyssa Parras
Project Location:	32.20482, -103.91966		

Sample ID: CS 21 0.5 (H257451-07)

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	12/01/2025	ND	1.89	94.3	2.00	0.599		
Toluene*	<0.050	0.050	12/01/2025	ND	2.22	111	2.00	3.00		
Ethylbenzene*	<0.050	0.050	12/01/2025	ND	2.29	115	2.00	3.53		
Total Xylenes*	<0.150	0.150	12/01/2025	ND	6.82	114	6.00	3.43		
Total BTEx	<0.300	0.300	12/01/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	12/01/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/01/2025	ND	161	80.6	200	3.21	
DRO >C10-C28*	61.8	10.0	12/01/2025	ND	176	88.1	200	0.580	
EXT DRO >C28-C36	<10.0	10.0	12/01/2025	ND					

Surrogate: 1-Chlorooctane 74.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 78.1 % 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
TRACY HILLARD
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	11/26/2025	Sampling Date:	11/25/2025
Reported:	12/04/2025	Sampling Type:	Soil
Project Name:	PLU 19 DTD CVB - SPILL	Sampling Condition:	Cool & Intact
Project Number:	03C1558761	Sample Received By:	Alyssa Parras
Project Location:	32.20482, -103.91966		

Sample ID: CS 22 0.5 (H257451-08)

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	12/01/2025	ND	1.89	94.3	2.00	0.599		
Toluene*	<0.050	0.050	12/01/2025	ND	2.22	111	2.00	3.00		
Ethylbenzene*	<0.050	0.050	12/01/2025	ND	2.29	115	2.00	3.53		
Total Xylenes*	<0.150	0.150	12/01/2025	ND	6.82	114	6.00	3.43		
Total BTEx	<0.300	0.300	12/01/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	12/01/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/01/2025	ND	161	80.6	200	3.21	
DRO >C10-C28*	271	10.0	12/01/2025	ND	176	88.1	200	0.580	
EXT DRO >C28-C36	48.7	10.0	12/01/2025	ND					

Surrogate: 1-Chlorooctane 83.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 99.0 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2025
Reported: 12/04/2025
Project Name: PLU 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Location: 32.20482, -103.91966

Sampling Date: 11/25/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: CS 23 0.5 (H257451-09)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/01/2025	ND	1.89	94.3	2.00	0.599		
Toluene*	<0.050	0.050	12/01/2025	ND	2.22	111	2.00	3.00		
Ethylbenzene*	<0.050	0.050	12/01/2025	ND	2.29	115	2.00	3.53		
Total Xylenes*	<0.150	0.150	12/01/2025	ND	6.82	114	6.00	3.43		
Total BTX	<0.300	0.300	12/01/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	12/01/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/01/2025	ND	161	80.6	200	3.21	
DRO >C10-C28*	<10.0	10.0	12/01/2025	ND	176	88.1	200	0.580	
EXT DRO >C28-C36	<10.0	10.0	12/01/2025	ND					

Surrogate: 1-Chlorooctane 83.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.9 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2025
Reported: 12/04/2025
Project Name: PLU 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Location: 32.20482, -103.91966

Sampling Date: 11/25/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: CS 24 0.5 (H257451-10)

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	12/02/2025	ND	1.89	94.3	2.00	0.599		
Toluene*	<0.050	0.050	12/02/2025	ND	2.22	111	2.00	3.00		
Ethylbenzene*	<0.050	0.050	12/02/2025	ND	2.29	115	2.00	3.53		
Total Xylenes*	<0.150	0.150	12/02/2025	ND	6.82	114	6.00	3.43		
Total BTEx	<0.300	0.300	12/02/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/01/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/01/2025	ND	161	80.6	200	3.21	
DRO >C10-C28*	22.8	10.0	12/01/2025	ND	176	88.1	200	0.580	
EXT DRO >C28-C36	<10.0	10.0	12/01/2025	ND					

Surrogate: 1-Chlorooctane 85.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2025
Reported: 12/04/2025
Project Name: PLU 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Location: 32.20482, -103.91966

Sampling Date: 11/25/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 09 SURFACE (H257451-11)

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	12/02/2025	ND	1.89	94.3	2.00	0.599		
Toluene*	<0.050	0.050	12/02/2025	ND	2.22	111	2.00	3.00		
Ethylbenzene*	<0.050	0.050	12/02/2025	ND	2.29	115	2.00	3.53		
Total Xylenes*	<0.150	0.150	12/02/2025	ND	6.82	114	6.00	3.43		
Total BTEx	<0.300	0.300	12/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	12/01/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/01/2025	ND	182	91.2	200	5.75	
DRO >C10-C28*	<10.0	10.0	12/01/2025	ND	197	98.4	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	12/01/2025	ND					

Surrogate: 1-Chlorooctane 86.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 71.7 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2025
Reported: 12/04/2025
Project Name: PLU 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Location: 32.20482, -103.91966

Sampling Date: 11/25/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 10 SURFACE (H257451-12)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/02/2025	ND	1.89	94.3	2.00	0.599		
Toluene*	<0.050	0.050	12/02/2025	ND	2.22	111	2.00	3.00		
Ethylbenzene*	<0.050	0.050	12/02/2025	ND	2.29	115	2.00	3.53		
Total Xylenes*	<0.150	0.150	12/02/2025	ND	6.82	114	6.00	3.43		
Total BTX	<0.300	0.300	12/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 128 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	12/01/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/01/2025	ND	182	91.2	200	5.75	
DRO >C10-C28*	24.0	10.0	12/01/2025	ND	197	98.4	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	12/01/2025	ND					

Surrogate: 1-Chlorooctane 91.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 81.0 % 39.9-141

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Analytical Results For:

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

Received: 11/26/2025
Reported: 12/04/2025
Project Name: PLU 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Location: 32.20482, -103.91966

Sampling Date: 11/25/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 11 SURFACE (H257451-13)

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	12/02/2025	ND	1.89	94.3	2.00	0.599		
Toluene*	<0.050	0.050	12/02/2025	ND	2.22	111	2.00	3.00		
Ethylbenzene*	<0.050	0.050	12/02/2025	ND	2.29	115	2.00	3.53		
Total Xylenes*	<0.150	0.150	12/02/2025	ND	6.82	114	6.00	3.43		
Total BTEX	<0.300	0.300	12/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/01/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/01/2025	ND	182	91.2	200	5.75	
DRO >C10-C28*	<10.0	10.0	12/01/2025	ND	197	98.4	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	12/01/2025	ND					

Surrogate: 1-Chlorooctane 99.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.7 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2025
Reported: 12/04/2025
Project Name: PLU 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Location: 32.20482, -103.91966

Sampling Date: 11/25/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 12 SURFACE (H257451-14)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/02/2025	ND	1.89	94.3	2.00	0.599		
Toluene*	<0.050	0.050	12/02/2025	ND	2.22	111	2.00	3.00		
Ethylbenzene*	<0.050	0.050	12/02/2025	ND	2.29	115	2.00	3.53		
Total Xylenes*	<0.150	0.150	12/02/2025	ND	6.82	114	6.00	3.43		
Total BTX	<0.300	0.300	12/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/01/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/01/2025	ND	182	91.2	200	5.75	
DRO >C10-C28*	<10.0	10.0	12/01/2025	ND	197	98.4	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	12/01/2025	ND					

Surrogate: 1-Chlorooctane 101 % 52.4-130

Surrogate: 1-Chlorooctadecane 91.1 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2025
Reported: 12/04/2025
Project Name: PLU 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Location: 32.20482, -103.91966

Sampling Date: 11/25/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 13 SURFACE (H257451-15)

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	12/02/2025	ND	1.89	94.3	2.00	0.599		
Toluene*	<0.050	0.050	12/02/2025	ND	2.22	111	2.00	3.00		
Ethylbenzene*	<0.050	0.050	12/02/2025	ND	2.29	115	2.00	3.53		
Total Xylenes*	<0.150	0.150	12/02/2025	ND	6.82	114	6.00	3.43		
Total BTEx	<0.300	0.300	12/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/01/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/01/2025	ND	182	91.2	200	5.75	
DRO >C10-C28*	<10.0	10.0	12/01/2025	ND	197	98.4	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	12/01/2025	ND					

Surrogate: 1-Chlorooctane 92.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.0 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2025
Reported: 12/04/2025
Project Name: PLU 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Location: 32.20482, -103.91966

Sampling Date: 11/25/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 14 SURFACE (H257451-16)

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	12/02/2025	ND	1.89	94.3	2.00	0.599		
Toluene*	<0.050	0.050	12/02/2025	ND	2.22	111	2.00	3.00		
Ethylbenzene*	<0.050	0.050	12/02/2025	ND	2.29	115	2.00	3.53		
Total Xylenes*	<0.150	0.150	12/02/2025	ND	6.82	114	6.00	3.43		
Total BTX	<0.300	0.300	12/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	12/01/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ms				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/01/2025	ND	182	91.2	200	5.75	
DRO >C10-C28*	<10.0	10.0	12/01/2025	ND	197	98.4	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	12/01/2025	ND					

Surrogate: 1-Chlorooctane 181 % 52.4-130

Surrogate: 1-Chlorooctadecane 158 % 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
TRACY HILLARD
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 11/26/2025
Reported: 12/04/2025
Project Name: PLU 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Location: 32.20482, -103.91966

Sampling Date: 11/25/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 15 SURFACE (H257451-17)

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	12/02/2025	ND	1.89	94.3	2.00	0.599		
Toluene*	<0.050	0.050	12/02/2025	ND	2.22	111	2.00	3.00		
Ethylbenzene*	<0.050	0.050	12/02/2025	ND	2.29	115	2.00	3.53		
Total Xylenes*	<0.150	0.150	12/02/2025	ND	6.82	114	6.00	3.43		
Total BTEx	<0.300	0.300	12/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	12/01/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/01/2025	ND	182	91.2	200	5.75	
DRO >C10-C28*	<10.0	10.0	12/01/2025	ND	197	98.4	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	12/01/2025	ND					

Surrogate: 1-Chlorooctane 92.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 79.7 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/26/2025
Reported: 12/04/2025
Project Name: PLU 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Location: 32.20482, -103.91966

Sampling Date: 11/25/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: CS 14 0.5 (H257451-18)

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	12/02/2025	ND	2.07	103	2.00	5.61		
Toluene*	<0.050	0.050	12/02/2025	ND	2.04	102	2.00	5.05		
Ethylbenzene*	<0.050	0.050	12/02/2025	ND	1.95	97.5	2.00	4.87		
Total Xylenes*	<0.150	0.150	12/02/2025	ND	5.94	99.0	6.00	4.49		
Total BTEX	<0.300	0.300	12/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	12/01/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/01/2025	ND	182	91.2	200	5.75	
DRO >C10-C28*	71.9	10.0	12/01/2025	ND	197	98.4	200	0.241	
EXT DRO >C28-C36	15.8	10.0	12/01/2025	ND					

Surrogate: 1-Chlorooctane 89.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.0 % 39.9-141

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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

(575) 393-2326 FAX (575) 393-2476
Ensolium, LLC

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 1

[illegible]



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 2

Company Name: Ensolum, LLC		BILL TO		ANALYSIS REQUEST	
Project Manager: Tracy Hillard		P.O. #:			
Address: 3122 National Parks Hwy		Company: XTO Energy Inc			
City: Carlsbad		Attn: Dale Woodall			
State: NM Zip: 88220		Address: 3104 E Green St			
Phone #: 575 937 5906 Fax #:		City: Carlsbad			
Project #: 03015556 761 Project Owner: XTO		State: NM Zip: 88220			
Project Name: PLU 19 STD CUB - Spill		Phone #:			
Project Location: 32.20482, -103.91966		Fax #:			
Sampler Name: Jessica Boxley		MATRIX		PRESERV. SAMPLING	
FOR LAB USE ONLY					

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chlorides	TPH	BTEX
13657451	SS09	Surface	G	1			X				X			11.25.25	1100	X	X	X
	SS10														1120			
	SS11														1150			
	SS12														1310			
	SS13														1220			
	SS14														1315			
	SS15	Surface	G	1														
	CS14	0.5	C	1											11.25.25 1355		X	X

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[illegible]

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

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

December 18, 2025

KARA NAEGELI

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: PLU 19 DTD CVB - SPILL

Enclosed are the results of analyses for samples received by the laboratory on 12/11/25 13:40.

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/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, 88220

Project: PLU 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Manager: KARA NAEGELI
Fax To:

Reported:
18-Dec-25 17:13

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS16 SURFACE	H257678-01	Soil	10-Dec-25 13:26	11-Dec-25 13:40
SS17 SURFACE	H257678-02	Soil	10-Dec-25 10:14	11-Dec-25 13:40
SS18 SURFACE	H257678-03	Soil	10-Dec-25 10:16	11-Dec-25 13:40
SS19 SURFACE	H257678-04	Soil	10-Dec-25 10:18	11-Dec-25 13:40
SS20 SURFACE	H257678-05	Soil	10-Dec-25 10:20	11-Dec-25 13:40
SS21 SURFACE	H257678-06	Soil	10-Dec-25 10:28	11-Dec-25 13:40
SS22 SURFACE	H257678-07	Soil	10-Dec-25 10:30	11-Dec-25 13:40
SS23 SURFACE	H257678-08	Soil	10-Dec-25 10:32	11-Dec-25 13:40
SS24 SURFACE	H257678-09	Soil	10-Dec-25 10:34	11-Dec-25 13:40
CS 34 SURFACE	H257678-10	Soil	10-Dec-25 11:42	11-Dec-25 13:40
CS 35 SURFACE	H257678-11	Soil	10-Dec-25 11:44	11-Dec-25 13:40
CS 36 SURFACE	H257678-12	Soil	10-Dec-25 11:46	11-Dec-25 13:40
CS 37 SURFACE	H257678-13	Soil	10-Dec-25 11:48	11-Dec-25 13:40
CS 25 SURFACE	H257678-14	Soil	10-Dec-25 11:50	11-Dec-25 13:40
CS 26 SURFACE	H257678-15	Soil	10-Dec-25 11:52	11-Dec-25 13:40
CS 27 SURFACE	H257678-16	Soil	10-Dec-25 12:06	11-Dec-25 13:40
CS 28 SURFACE	H257678-17	Soil	10-Dec-25 12:08	11-Dec-25 13:40
CS 29 SURFACE	H257678-18	Soil	10-Dec-25 12:10	11-Dec-25 13:40
CS 30 SURFACE	H257678-19	Soil	10-Dec-25 12:12	11-Dec-25 13:40
CS 31 SURFACE	H257678-20	Soil	10-Dec-25 12:14	11-Dec-25 13:40
CS 32 SURFACE	H257678-21	Soil	10-Dec-25 12:16	11-Dec-25 13:40
CS 33 SURFACE	H257678-22	Soil	10-Dec-25 12:28	11-Dec-25 13:40

12/18/25 - Client changed the sample IDs of -10 thru -13 (see COC). This is the revised report and will replace the one sent on 12/17/25.

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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 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Manager: KARA NAEGELI
Fax To:

Reported:
18-Dec-25 17:13

SS16 SURFACE
H257678-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	5121118	HM	12-Dec-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5121125	JH	12-Dec-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5121125	JH	12-Dec-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5121125	JH	12-Dec-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5121125	JH	12-Dec-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5121125	JH	12-Dec-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 91.1 % 70.4-141 5121125 JH 12-Dec-25 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5121131	MS	13-Dec-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5121131	MS	13-Dec-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5121131	MS	13-Dec-25	8015B	

Surrogate: 1-Chlorooctane 94.4 % 52.4-130 5121131 MS 13-Dec-25 8015B

Surrogate: 1-Chlorooctadecane 90.1 % 39.9-141 5121131 MS 13-Dec-25 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 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Manager: KARA NAEGELI
Fax To:

Reported:
18-Dec-25 17:13

SS17 SURFACE**H257678-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	5121118	HM	12-Dec-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5121125	JH	12-Dec-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5121125	JH	12-Dec-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5121125	JH	12-Dec-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5121125	JH	12-Dec-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5121125	JH	12-Dec-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			93.1 %	70.4-141		5121125	JH	12-Dec-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5121131	MS	13-Dec-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5121131	MS	13-Dec-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5121131	MS	13-Dec-25	8015B	

Surrogate: 1-Chlorooctane			97.7 %	52.4-130		5121131	MS	13-Dec-25	8015B	
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Surrogate: 1-Chlorooctadecane			93.2 %	39.9-141		5121131	MS	13-Dec-25	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 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Manager: KARA NAEGELI
Fax To:

Reported:
18-Dec-25 17:13

SS18 SURFACE**H257678-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	5121118	HM	12-Dec-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5121125	JH	12-Dec-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5121125	JH	12-Dec-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5121125	JH	12-Dec-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5121125	JH	12-Dec-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5121125	JH	12-Dec-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			92.8 %	70.4-141		5121125	JH	12-Dec-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5121131	MS	13-Dec-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5121131	MS	13-Dec-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5121131	MS	13-Dec-25	8015B	

Surrogate: 1-Chlorooctane			93.4 %	52.4-130		5121131	MS	13-Dec-25	8015B	
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Surrogate: 1-Chlorooctadecane			90.1 %	39.9-141		5121131	MS	13-Dec-25	8015B	
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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
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: PLU 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Manager: KARA NAEGELI
Fax To:

Reported:
18-Dec-25 17:13

SS19 SURFACE**H257678-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	5121118	HM	12-Dec-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5121125	JH	12-Dec-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5121125	JH	12-Dec-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5121125	JH	12-Dec-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5121125	JH	12-Dec-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5121125	JH	12-Dec-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 92.1 % 70.4-141 5121125 JH 12-Dec-25 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5121131	MS	13-Dec-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5121131	MS	13-Dec-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5121131	MS	13-Dec-25	8015B	

Surrogate: 1-Chlorooctane 93.2 % 52.4-130 5121131 MS 13-Dec-25 8015B

Surrogate: 1-Chlorooctadecane 89.0 % 39.9-141 5121131 MS 13-Dec-25 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 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Manager: KARA NAEGELI
Fax To:

Reported:
18-Dec-25 17:13

SS20 SURFACE**H257678-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	5121118	HM	12-Dec-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	QM-07
Ethylbenzene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	QM-07, QR-03
Total Xylenes*	<0.150		0.150	mg/kg	50	5121126	JH	12-Dec-25	8021B	QM-07
Total BTEX	<0.300		0.300	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			117 %	70.4-141		5121126	JH	12-Dec-25	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5121131	MS	13-Dec-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5121131	MS	13-Dec-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5121131	MS	13-Dec-25	8015B	
Surrogate: 1-Chlorooctane			91.0 %	52.4-130		5121131	MS	13-Dec-25	8015B	
Surrogate: 1-Chlorooctadecane			86.4 %	39.9-141		5121131	MS	13-Dec-25	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 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Manager: KARA NAEGELI
Fax To:

Reported:
18-Dec-25 17:13

SS21 SURFACE**H257678-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	5121118	HM	12-Dec-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5121126	JH	12-Dec-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			125 %	70.4-141		5121126	JH	12-Dec-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	

Surrogate: 1-Chlorooctane			83.0 %	52.4-130		5121132	MS	15-Dec-25	8015B	
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Surrogate: 1-Chlorooctadecane			77.8 %	39.9-141		5121132	MS	15-Dec-25	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 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Manager: KARA NAEGELI
Fax To:

Reported:
18-Dec-25 17:13

SS22 SURFACE**H257678-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	5121118	HM	12-Dec-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5121126	JH	12-Dec-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			127 %	70.4-141		5121126	JH	12-Dec-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	

Surrogate: 1-Chlorooctane			88.9 %	52.4-130		5121132	MS	15-Dec-25	8015B	
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Surrogate: 1-Chlorooctadecane			81.9 %	39.9-141		5121132	MS	15-Dec-25	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 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Manager: KARA NAEGELI
Fax To:

Reported:
18-Dec-25 17:13

SS23 SURFACE**H257678-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	5121118	HM	12-Dec-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5121126	JH	12-Dec-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			118 %		70.4-141	5121126	JH	12-Dec-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	

Surrogate: 1-Chlorooctane			87.0 %		52.4-130	5121132	MS	15-Dec-25	8015B	
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Surrogate: 1-Chlorooctadecane			79.9 %		39.9-141	5121132	MS	15-Dec-25	8015B	
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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
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: PLU 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Manager: KARA NAEGELI
Fax To:

Reported:
18-Dec-25 17:13

SS24 SURFACE**H257678-09 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	5121118	HM	12-Dec-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5121126	JH	12-Dec-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			118 %	70.4-141		5121126	JH	12-Dec-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	

Surrogate: 1-Chlorooctane			81.4 %	52.4-130		5121132	MS	15-Dec-25	8015B	
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Surrogate: 1-Chlorooctadecane			75.1 %	39.9-141		5121132	MS	15-Dec-25	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 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Manager: KARA NAEGELI
Fax To:

Reported:
18-Dec-25 17:13

CS 34 SURFACE
H257678-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	5121118	HM	12-Dec-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5121126	JH	12-Dec-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			116 %	70.4-141		5121126	JH	12-Dec-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	
DRO >C10-C28*	38.2		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			89.3 %	52.4-130		5121132	MS	15-Dec-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			82.8 %	39.9-141		5121132	MS	15-Dec-25	8015B	
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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
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: PLU 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Manager: KARA NAEGELI
Fax To:

Reported:
18-Dec-25 17:13

CS 35 SURFACE**H257678-11 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	5121118	HM	12-Dec-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5121126	JH	12-Dec-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			126 %	70.4-141		5121126	JH	12-Dec-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	
DRO >C10-C28*	72.5		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	
EXT DRO >C28-C36	21.8		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	

Surrogate: 1-Chlorooctane			87.3 %	52.4-130		5121132	MS	15-Dec-25	8015B	
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Surrogate: 1-Chlorooctadecane			82.8 %	39.9-141		5121132	MS	15-Dec-25	8015B	
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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
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: PLU 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Manager: KARA NAEGELI
Fax To:

Reported:
18-Dec-25 17:13

CS 36 SURFACE
H257678-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	5121118	HM	12-Dec-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5121126	JH	12-Dec-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			113 %	70.4-141		5121126	JH	12-Dec-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	
DRO >C10-C28*	126		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	
EXT DRO >C28-C36	40.9		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	

Surrogate: 1-Chlorooctane			77.5 %	52.4-130		5121132	MS	15-Dec-25	8015B	
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Surrogate: 1-Chlorooctadecane			71.8 %	39.9-141		5121132	MS	15-Dec-25	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 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Manager: KARA NAEGELI
Fax To:

Reported:
18-Dec-25 17:13

CS 37 SURFACE
H257678-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	5121118	HM	12-Dec-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5121126	JH	12-Dec-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			118 %	70.4-141		5121126	JH	12-Dec-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	
DRO >C10-C28*	13.7		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	

Surrogate: 1-Chlorooctane			98.8 %	52.4-130		5121132	MS	15-Dec-25	8015B	
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Surrogate: 1-Chlorooctadecane			91.3 %	39.9-141		5121132	MS	15-Dec-25	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 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Manager: KARA NAEGELI
Fax To:

Reported:
18-Dec-25 17:13

CS 25 SURFACE**H257678-14 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	5121118	HM	12-Dec-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5121126	JH	12-Dec-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			126 %		70.4-141	5121126	JH	12-Dec-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	

Surrogate: 1-Chlorooctane			88.2 %		52.4-130	5121132	MS	15-Dec-25	8015B	
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Surrogate: 1-Chlorooctadecane			82.5 %		39.9-141	5121132	MS	15-Dec-25	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 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Manager: KARA NAEGELI
Fax To:

Reported:
18-Dec-25 17:13

CS 26 SURFACE
H257678-15 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	5121118	HM	12-Dec-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5121126	JH	12-Dec-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			116 %	70.4-141		5121126	JH	12-Dec-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	

Surrogate: 1-Chlorooctane			94.7 %	52.4-130		5121132	MS	15-Dec-25	8015B	
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Surrogate: 1-Chlorooctadecane			88.6 %	39.9-141		5121132	MS	15-Dec-25	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 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Manager: KARA NAEGELI
Fax To:

Reported:
18-Dec-25 17:13

CS 27 SURFACE**H257678-16 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	5121118	HM	12-Dec-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5121126	JH	12-Dec-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 125 % 70.4-141 5121126 JH 12-Dec-25 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	
DRO >C10-C28*	11.1		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	

Surrogate: 1-Chlorooctane 90.3 % 52.4-130 5121132 MS 15-Dec-25 8015B

Surrogate: 1-Chlorooctadecane 85.0 % 39.9-141 5121132 MS 15-Dec-25 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 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Manager: KARA NAEGELI
Fax To:

Reported:
18-Dec-25 17:13

CS 28 SURFACE
H257678-17 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	5121118	HM	12-Dec-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5121126	JH	12-Dec-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			117 %	70.4-141		5121126	JH	12-Dec-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	
DRO >C10-C28*	12.3		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	

Surrogate: 1-Chlorooctane			85.9 %	52.4-130		5121132	MS	15-Dec-25	8015B	
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Surrogate: 1-Chlorooctadecane			79.5 %	39.9-141		5121132	MS	15-Dec-25	8015B	
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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
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: PLU 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Manager: KARA NAEGELI
Fax To:

Reported:
18-Dec-25 17:13

CS 29 SURFACE
H257678-18 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	5121118	HM	12-Dec-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5121126	JH	12-Dec-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			116 %	70.4-141		5121126	JH	12-Dec-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	

Surrogate: 1-Chlorooctane			87.2 %	52.4-130		5121132	MS	15-Dec-25	8015B	
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Surrogate: 1-Chlorooctadecane			81.1 %	39.9-141		5121132	MS	15-Dec-25	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 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Manager: KARA NAEGELI
Fax To:

Reported:
18-Dec-25 17:13

CS 30 SURFACE
H257678-19 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	5121118	HM	12-Dec-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5121126	JH	12-Dec-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			120 %	70.4-141		5121126	JH	12-Dec-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	

Surrogate: 1-Chlorooctane			92.8 %	52.4-130		5121132	MS	15-Dec-25	8015B	
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Surrogate: 1-Chlorooctadecane			85.1 %	39.9-141		5121132	MS	15-Dec-25	8015B	
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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
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: PLU 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Manager: KARA NAEGELI
Fax To:

Reported:
18-Dec-25 17:13

CS 31 SURFACE
H257678-20 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	5121118	HM	12-Dec-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5121126	JH	12-Dec-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			133 %	70.4-141		5121126	JH	12-Dec-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	
DRO >C10-C28*	14.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			93.2 %	52.4-130		5121132	MS	15-Dec-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			85.8 %	39.9-141		5121132	MS	15-Dec-25	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 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Manager: KARA NAEGELI
Fax To:

Reported:
18-Dec-25 17:13

CS 32 SURFACE
H257678-21 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	5121119	KH	12-Dec-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5121126	JH	12-Dec-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			122 %	70.4-141		5121126	JH	12-Dec-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	
DRO >C10-C28*	42.6		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	
EXT DRO >C28-C36	13.9		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	

Surrogate: 1-Chlorooctane			88.8 %	52.4-130		5121132	MS	15-Dec-25	8015B	
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Surrogate: 1-Chlorooctadecane			82.2 %	39.9-141		5121132	MS	15-Dec-25	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 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Manager: KARA NAEGELI
Fax To:

Reported:
18-Dec-25 17:13

CS 33 SURFACE**H257678-22 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	5121119	KH	12-Dec-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5121126	JH	12-Dec-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5121126	JH	12-Dec-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			128 %	70.4-141		5121126	JH	12-Dec-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	
DRO >C10-C28*	17.1		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5121132	MS	15-Dec-25	8015B	

Surrogate: 1-Chlorooctane			87.1 %	52.4-130		5121132	MS	15-Dec-25	8015B	
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Surrogate: 1-Chlorooctadecane			80.7 %	39.9-141		5121132	MS	15-Dec-25	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 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Manager: KARA NAEGELI
Fax To:

Reported:
18-Dec-25 17:13

Inorganic Compounds - 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 5121118 - 1:4 DI Water**Blank (5121118-BLK1)**

Prepared & Analyzed: 12-Dec-25

Chloride	ND	16.0	mg/kg							
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LCS (5121118-BS1)

Prepared & Analyzed: 12-Dec-25

Chloride	416	16.0	mg/kg	400		104	80-120			
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LCS Dup (5121118-BSD1)

Prepared & Analyzed: 12-Dec-25

Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
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Batch 5121119 - 1:4 DI Water**Blank (5121119-BLK1)**

Prepared & Analyzed: 12-Dec-25

Chloride	ND	16.0	mg/kg							
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LCS (5121119-BS1)

Prepared & Analyzed: 12-Dec-25

Chloride	448	16.0	mg/kg	400		112	80-120			
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LCS Dup (5121119-BSD1)

Prepared & Analyzed: 12-Dec-25

Chloride	448	16.0	mg/kg	400		112	80-120	0.00	20	
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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: PLU 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Manager: KARA NAEGELI
Fax To:

Reported:
18-Dec-25 17:13

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 5121125 - Volatiles**Blank (5121125-BLK1)**

Prepared: 11-Dec-25 Analyzed: 12-Dec-25

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		93.4	70.4-141			

LCS (5121125-BS1)

Prepared: 11-Dec-25 Analyzed: 12-Dec-25

Benzene	2.08	0.050	mg/kg	2.00		104	71-111			
Toluene	2.00	0.050	mg/kg	2.00		100	75-116			
Ethylbenzene	1.88	0.050	mg/kg	2.00		94.1	74.2-119			
m,p-Xylene	3.92	0.100	mg/kg	4.00		98.0	72.5-123			
o-Xylene	1.81	0.050	mg/kg	2.00		90.5	70.5-124			
Total Xylenes	5.73	0.150	mg/kg	6.00		95.5	72.2-123			
Surrogate: 4-Bromofluorobenzene (PID)	0.0467		mg/kg	0.0500		93.4	70.4-141			

LCS Dup (5121125-BSD1)

Prepared: 11-Dec-25 Analyzed: 12-Dec-25

Benzene	2.10	0.050	mg/kg	2.00		105	71-111	1.22	17.6	
Toluene	2.03	0.050	mg/kg	2.00		102	75-116	1.59	14.8	
Ethylbenzene	1.92	0.050	mg/kg	2.00		96.1	74.2-119	2.09	14.2	
m,p-Xylene	3.99	0.100	mg/kg	4.00		99.8	72.5-123	1.81	13.6	
o-Xylene	1.85	0.050	mg/kg	2.00		92.3	70.5-124	1.93	13.7	
Total Xylenes	5.84	0.150	mg/kg	6.00		97.3	72.2-123	1.85	13.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0467		mg/kg	0.0500		93.3	70.4-141			

Batch 5121126 - Volatiles**Blank (5121126-BLK1)**

Prepared: 11-Dec-25 Analyzed: 12-Dec-25

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							

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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 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Manager: KARA NAEGELI
Fax To:

Reported:
18-Dec-25 17:13

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 5121126 - Volatiles**Blank (5121126-BLK1)**

Prepared: 11-Dec-25 Analyzed: 12-Dec-25

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.120		mg/kg	0.100		120	70.4-141			

LCS (5121126-BS1)

Prepared: 11-Dec-25 Analyzed: 12-Dec-25

Benzene	1.83	0.050	mg/kg	2.00		91.4	71-111			
Toluene	1.95	0.050	mg/kg	2.00		97.4	75-116			
Ethylbenzene	1.98	0.050	mg/kg	2.00		99.2	74.2-119			
m,p-Xylene	3.91	0.100	mg/kg	4.00		97.7	72.5-123			
o-Xylene	1.93	0.050	mg/kg	2.00		96.4	70.5-124			
Total Xylenes	5.83	0.150	mg/kg	6.00		97.2	72.2-123			
Surrogate: 4-Bromofluorobenzene (PID)	0.119		mg/kg	0.100		119	70.4-141			

LCS Dup (5121126-BSD1)

Prepared: 11-Dec-25 Analyzed: 12-Dec-25

Benzene	1.74	0.050	mg/kg	2.00		87.2	71-111	4.72	17.6	
Toluene	1.91	0.050	mg/kg	2.00		95.5	75-116	2.00	14.8	
Ethylbenzene	1.98	0.050	mg/kg	2.00		99.1	74.2-119	0.167	14.2	
m,p-Xylene	3.91	0.100	mg/kg	4.00		97.8	72.5-123	0.140	13.6	
o-Xylene	1.93	0.050	mg/kg	2.00		96.4	70.5-124	0.0231	13.7	
Total Xylenes	5.84	0.150	mg/kg	6.00		97.3	72.2-123	0.0860	13.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.115		mg/kg	0.100		115	70.4-141			

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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 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Manager: KARA NAEGELI
Fax To:

Reported:
18-Dec-25 17:13

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 5121131 - General Prep - Organics**Blank (5121131-BLK1)**

Prepared: 11-Dec-25 Analyzed: 12-Dec-25

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	48.3		mg/kg	50.0		96.6	52.4-130		
Surrogate: 1-Chlorooctadecane	47.3		mg/kg	50.0		94.5	39.9-141		

LCS (5121131-BS1)

Prepared: 11-Dec-25 Analyzed: 12-Dec-25

GRO C6-C10	227	10.0	mg/kg	200		114	78.7-123		
DRO >C10-C28	216	10.0	mg/kg	200		108	74.8-123		
Total TPH C6-C28	443	10.0	mg/kg	400		111	78.6-121		
Surrogate: 1-Chlorooctane	59.8		mg/kg	50.0		120	52.4-130		
Surrogate: 1-Chlorooctadecane	53.3		mg/kg	50.0		107	39.9-141		

LCS Dup (5121131-BS1)

Prepared: 11-Dec-25 Analyzed: 12-Dec-25

GRO C6-C10	219	10.0	mg/kg	200		109	78.7-123	3.82	11.3
DRO >C10-C28	212	10.0	mg/kg	200		106	74.8-123	1.91	10.9
Total TPH C6-C28	431	10.0	mg/kg	400		108	78.6-121	2.88	10.5
Surrogate: 1-Chlorooctane	59.8		mg/kg	50.0		120	52.4-130		
Surrogate: 1-Chlorooctadecane	50.9		mg/kg	50.0		102	39.9-141		

Batch 5121132 - General Prep - Organics**Blank (5121132-BLK1)**

Prepared: 11-Dec-25 Analyzed: 15-Dec-25

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	46.8		mg/kg	50.0		93.6	52.4-130		
Surrogate: 1-Chlorooctadecane	42.8		mg/kg	50.0		85.5	39.9-141		

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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 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Manager: KARA NAEGELI
Fax To:

Reported:
18-Dec-25 17:13

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 5121132 - General Prep - Organics**LCS (5121132-BS1)**

Prepared: 11-Dec-25 Analyzed: 15-Dec-25

GRO C6-C10	226	10.0	mg/kg	200		113	78.7-123			
DRO >C10-C28	240	10.0	mg/kg	200		120	74.8-123			
Total TPH C6-C28	465	10.0	mg/kg	400		116	78.6-121			
Surrogate: 1-Chlorooctane	51.5		mg/kg	50.0		103	52.4-130			
Surrogate: 1-Chlorooctadecane	49.1		mg/kg	50.0		98.2	39.9-141			

LCS Dup (5121132-BS1)

Prepared: 11-Dec-25 Analyzed: 15-Dec-25

GRO C6-C10	219	10.0	mg/kg	200		110	78.7-123	2.79	11.3	
DRO >C10-C28	241	10.0	mg/kg	200		120	74.8-123	0.396	10.9	
Total TPH C6-C28	460	10.0	mg/kg	400		115	78.6-121	1.14	10.5	
Surrogate: 1-Chlorooctane	51.8		mg/kg	50.0		104	52.4-130			
Surrogate: 1-Chlorooctadecane	49.3		mg/kg	50.0		98.7	39.9-141			

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

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 cursive script, appearing to read "Celey D. Keene", written in black ink.

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

Page 1 of 3

Company Name: Ensolum, LLC		P.O. #:		BILL TO											
Project Manager: Kara Naegeli		Company: XTO Energy		ANALYSIS REQUEST											
Address: 3122 National Parks Hwy		Attn:													
City: Carlsbad		Address: 3104 E Green St													
Phone #: 970-210-9803		City: Carlsbad													
Project #: 03C1558761		State: NM													
Project Name: PLU 19 DTD CVB		Zip: 88220													
Project Location: 32.20482, -103.91966		Phone #:													
Sampler Name: Jacob Harrison		Fax #:													
FOR LAB USE ONLY															
Lab I.D.		Sample I.D.		Sample Depth		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING	
HLS-7678		1		surface		G		1		GROUNDWATER				TPH (8015M/D)	
2		SS16		surface		G		1		WASTEWATER				Chloride (4500)	
3		SS17		surface		G		1		SOIL				BTEX (8021B)	
4		SS18		surface		G		1		OIL					
5		SS19		surface		G		1		SLUDGE					
6		SS20		surface		G		1		OTHER :					
7		SS21		surface		G		1		ACID/BASE:					
8		SS22		surface		G		1		ICE / COOL					
9		SS23		surface		G		1		OTHER :					
10		SS24		surface		G		1							
CSA 34		X		surface		C		1							
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Relinquished By:		Date: 12-11-25		Received By:		Date: 12-11-25		Time: 13:40		Time: 13:40		Time: 13:40		Time: 13:40	
Relinquished By:		Date:		Received By:		Date:		Time:		Time:		Time:		Time:	
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY:		Turnaround Time:		Standard		Bacteria (only)		Sample Condition	
FORM-006 R 3.6 02/12/25		8.9		Cool ☒ Intact ☒		(Initials)		Thermometer ID #140		RUSH		Cool ☐ Intact ☐		Observed Temp. °C	
		33		Yes ☒ No ☐		VS		Correction Factor +0.3°C				Yes ☐ No ☐		Corrected Temp. °C	
REMARKS: *Customer requested ID changes. 12/12/25															
Verbal Result: ☐ Yes ☐ No ☐ Add'l Phone #:															
All Results are emailed. Please provide Email address: knaegeli@ensolum.com / timorrissey@ensolum.com / kthomason@ensolum.com / richard.kotzur@exxonmobil.com / jharrison@ensolum.com															

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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 3 of 3

[illegible]



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

February 09, 2026

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: PLU 19 DTD CVB - SPILL

Enclosed are the results of analyses for samples received by the laboratory on 02/03/26 12:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/03/2026
Reported: 02/09/2026
Project Name: PLU 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Location: XTO 32.20482, -103.91966

Sampling Date: 02/02/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: CS 36A 0.5 (H260585-01)

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	02/04/2026	ND	2.02	101	2.00	3.18	
Toluene*	<0.050	0.050	02/04/2026	ND	1.88	94.2	2.00	2.73	
Ethylbenzene*	<0.050	0.050	02/04/2026	ND	1.87	93.5	2.00	2.68	
Total Xylenes*	<0.150	0.150	02/04/2026	ND	5.54	92.3	6.00	2.72	
Total BTX	<0.300	0.300	02/04/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 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	32.0	16.0	02/04/2026	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	02/03/2026	ND	206	103	200	2.72	
DRO >C10-C28*	<10.0	10.0	02/03/2026	ND	204	102	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	02/03/2026	ND					

Surrogate: 1-Chlorooctane 95.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 95.9 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/03/2026
Reported: 02/09/2026
Project Name: PLU 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Location: XTO 32.20482, -103.91966

Sampling Date: 02/02/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: CS 38 0.5 (H260585-02)

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	02/04/2026	ND	2.02	101	2.00	3.18		
Toluene*	<0.050	0.050	02/04/2026	ND	1.88	94.2	2.00	2.73		
Ethylbenzene*	<0.050	0.050	02/04/2026	ND	1.87	93.5	2.00	2.68		
Total Xylenes*	<0.150	0.150	02/04/2026	ND	5.54	92.3	6.00	2.72		
Total BTEx	<0.300	0.300	02/04/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 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	32.0	16.0	02/04/2026	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	02/03/2026	ND	206	103	200	2.72	
DRO >C10-C28*	<10.0	10.0	02/03/2026	ND	204	102	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	02/03/2026	ND					

Surrogate: 1-Chlorooctane 105 % 52.4-130

Surrogate: 1-Chlorooctadecane 107 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/03/2026
Reported: 02/09/2026
Project Name: PLU 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Location: XTO 32.20482, -103.91966

Sampling Date: 02/02/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: CS 39 0.5 (H260585-03)

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	02/04/2026	ND	2.02	101	2.00	3.18	
Toluene*	<0.050	0.050	02/04/2026	ND	1.88	94.2	2.00	2.73	
Ethylbenzene*	<0.050	0.050	02/04/2026	ND	1.87	93.5	2.00	2.68	
Total Xylenes*	<0.150	0.150	02/04/2026	ND	5.54	92.3	6.00	2.72	
Total BTEx	<0.300	0.300	02/04/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 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	32.0	16.0	02/04/2026	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	02/03/2026	ND	206	103	200	2.72	
DRO >C10-C28*	86.4	10.0	02/03/2026	ND	204	102	200	1.48	
EXT DRO >C28-C36	11.7	10.0	02/03/2026	ND					

Surrogate: 1-Chlorooctane 99.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 105 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/03/2026
Reported: 02/09/2026
Project Name: PLU 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Location: XTO 32.20482, -103.91966

Sampling Date: 02/02/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: CS 40 0.5 (H260585-04)

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	02/04/2026	ND	2.02	101	2.00	3.18	
Toluene*	<0.050	0.050	02/04/2026	ND	1.88	94.2	2.00	2.73	
Ethylbenzene*	<0.050	0.050	02/04/2026	ND	1.87	93.5	2.00	2.68	
Total Xylenes*	<0.150	0.150	02/04/2026	ND	5.54	92.3	6.00	2.72	
Total BTEx	<0.300	0.300	02/04/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	02/04/2026	ND	464	116	400	7.14		

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	02/03/2026	ND	206	103	200	2.72	
DRO >C10-C28*	<10.0	10.0	02/03/2026	ND	204	102	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	02/03/2026	ND					

Surrogate: 1-Chlorooctane 101 % 52.4-130

Surrogate: 1-Chlorooctadecane 102 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/03/2026
Reported: 02/09/2026
Project Name: PLU 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Location: XTO 32.20482, -103.91966

Sampling Date: 02/02/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: CS 41 0.5 (H260585-05)

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	02/04/2026	ND	2.02	101	2.00	3.18	
Toluene*	<0.050	0.050	02/04/2026	ND	1.88	94.2	2.00	2.73	
Ethylbenzene*	<0.050	0.050	02/04/2026	ND	1.87	93.5	2.00	2.68	
Total Xylenes*	<0.150	0.150	02/04/2026	ND	5.54	92.3	6.00	2.72	
Total BTEX	<0.300	0.300	02/04/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	02/04/2026	ND	464	116	400	7.14		

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	02/03/2026	ND	206	103	200	2.72	
DRO >C10-C28*	18.2	10.0	02/03/2026	ND	204	102	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	02/03/2026	ND					

Surrogate: 1-Chlorooctane 101 % 52.4-130

Surrogate: 1-Chlorooctadecane 104 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/03/2026
Reported: 02/09/2026
Project Name: PLU 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Location: XTO 32.20482, -103.91966

Sampling Date: 02/02/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: CS 42 0.5 (H260585-06)

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	02/04/2026	ND	2.02	101	2.00	3.18	
Toluene*	<0.050	0.050	02/04/2026	ND	1.88	94.2	2.00	2.73	
Ethylbenzene*	<0.050	0.050	02/04/2026	ND	1.87	93.5	2.00	2.68	
Total Xylenes*	<0.150	0.150	02/04/2026	ND	5.54	92.3	6.00	2.72	
Total BTEX	<0.300	0.300	02/04/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/04/2026	ND	464	116	400	7.14	

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	02/03/2026	ND	206	103	200	2.72	
DRO >C10-C28*	<10.0	10.0	02/03/2026	ND	204	102	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	02/03/2026	ND					

Surrogate: 1-Chlorooctane 103 % 52.4-130

Surrogate: 1-Chlorooctadecane 104 % 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
TRACY HILLARD
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 02/03/2026
Reported: 02/09/2026
Project Name: PLU 19 DTD CVB - SPILL
Project Number: 03C1558761
Project Location: XTO 32.20482, -103.91966

Sampling Date: 02/02/2026
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW 01 0-0.5 (H260585-07)

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	02/04/2026	ND	2.02	101	2.00	3.18		
Toluene*	<0.050	0.050	02/04/2026	ND	1.88	94.2	2.00	2.73		
Ethylbenzene*	<0.050	0.050	02/04/2026	ND	1.87	93.5	2.00	2.68		
Total Xylenes*	<0.150	0.150	02/04/2026	ND	5.54	92.3	6.00	2.72		
Total BTEx	<0.300	0.300	02/04/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/04/2026	ND	464	116	400	7.14		

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	02/03/2026	ND	206	103	200	2.72	
DRO >C10-C28*	<10.0	10.0	02/03/2026	ND	204	102	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	02/03/2026	ND					

Surrogate: 1-Chlorooctane 102 % 52.4-130

Surrogate: 1-Chlorooctadecane 105 % 39.9-141

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Pg 1 of 1

Company Name: Ensolum, LLC

Project Manager: Tracy Hillard

Address: 3122 National Parks Hwy

City: Carlsbad

State: NM Zip: 88220

Phone #: 575-937-3906

Fax #:

Project #: 03C1558761

Project Owner: XTO

Project Name: PLV 19 OTD CVB

City: Carlsbad

Project Location: 32.20482, -103.91966

State: NM Zip: 88220

Sample Name: Johnny Kios

Phone #:

Fax #:

BILL TO

ANALYSIS REQUEST

P.O. #:

Company: XTO Energy Inc

Attn: Dale Woodall

Address: 3104 E Green St

City: Carlsbad

State: NM Zip: 88220

Phone #:

Fax #:

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

Depth (feet)

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

Chlorides (SM4500)

TPH (8015M/D)

BTEX (8021B)

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Relinquished By:

Johnny Kios

Date: 2/2/26

Time: 1:40

Received By:

Speeding

Date:

Time:

Received By:

CS + 0402401K

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

All Results are emailed. Please provide Email address: thomas@ensolum.com, TMorrissey@ensolum.com, KThomason@ensolum.com

REMARKS: Incident: APP25153314 Cost Center: 21043901 Turnaround Time: Standard ☒ Rush ☐ Bacteria (only) Sample Condition ☐ Cool Intact ☐ Observed Temp. °C ☐ Corrected Temp. °C

Relinquished By:

Johnny Kios

Date:

Time:

Received By:

Speeding

Date:

Time:

Received By:

CS + 0402401K

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

All Results are emailed. Please provide Email address: thomas@ensolum.com, TMorrissey@ensolum.com, KThomason@ensolum.com

REMARKS: Incident: APP25153314 Cost Center: 21043901 Turnaround Time: Standard ☒ Rush ☐ Bacteria (only) Sample Condition ☐ Cool Intact ☐ Observed Temp. °C ☐ Corrected Temp. °C

Delivered By: (Circle One)

Sample - UPS - Bus - Other:

Observed Temp. °C: 1.1

Corrected Temp. °C: 1.2

Sample Condition Cool Intact ☐ Yes ☒ No

CHECKED BY: (Initials)

SE

Thermometer ID: #48

Standard ☒ Rush ☐

Bacteria (only) Sample Condition ☐ Cool Intact ☐ Observed Temp. °C ☐ Corrected Temp. °C

FORM-006 R 3.2 10/07/21

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



APPENDIX E

Spill Volume Calculation

Location:	PLU 19 Dog Town Draw CVB	
Spill Date:	10/11/2025	
Incident #:	nAPP2528533269	
Area 1		
Approximate Area =	6355	sq. ft.
Average Saturation (or depth) of spill =	0.25	inches
Average Porosity Factor =	0.15	
VOLUME OF LEAK		
Total Crude Oil =	2.40	bbls
Total Produced Water =		bbls
Area 2		
Approximate Area =	2,432	sq. ft.
Average Saturation (or depth) of spill =	0.10	inches
VOLUME OF LEAK		
Total Crude Oil =	0.50	bbls
Total Produced Water =		bbls
TOTAL VOLUME OF LEAK		
Total Crude Oil =	2.93	bbls
Total Produced Water =	0.0	bbls
TOTAL VOLUME RECOVERED		
Total Crude Oil =	0.00	bbls
Total Produced Water =	0	bbls

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

QUESTIONS

Action 514297

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 514297
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2528533269
Incident Name	NAPP2528533269 POKER LAKE UNIT 19 DOG TOWN DRAW CVB @ G-19-24S-30E
Incident Type	Oil Release
Incident Status	Initial C-141 Received

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	POKER LAKE UNIT 19 DOG TOWN DRAW CVB
Date Release Discovered	10/11/2025
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	Yes
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
<i>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.</i>	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Pump Crude Oil Released: 3 BBL Recovered: 0 BBL Lost: 3 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 514297

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 514297
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Richard Kotzur Title: Senior Project Manager Email: NMEnvNotifications@exxonmobil.com Date: 10/12/2025
--	---

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QUESTIONS, Page 3

Action 514297

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 514297
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

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)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.
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	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

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	No
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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CONDITIONS

Action 514297

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 514297
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	None	10/14/2025

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Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS

Action 572093

QUESTIONS

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 572093
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2528533269
Incident Name	NAPP2528533269 POKER LAKE UNIT 19 DOG TOWN DRAW CVB @ G-19-24S-30E
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received

Location of Release Source

Please answer all the questions in this group.

Site Name	POKER LAKE UNIT 19 DOG TOWN DRAW CVB
Date Release Discovered	10/11/2025
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

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

Crude Oil Released (bbls) Details	Cause: Equipment Failure Pump Crude Oil Released: 3 BBL Recovered: 0 BBL Lost: 3 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 572093

QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 572093
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Initial Response

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

The source of the release has been stopped	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: 04/07/2026
--	---

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QUESTIONS, Page 3

Action 572093

QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 572093
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (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 1000 (ft.) and ½ (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 500 and 1000 (ft.)
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	Yes

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)	800
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	584
GRO+DRO (EPA SW-846 Method 8015M)	399
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	11/24/2025
On what date will (or did) the final sampling or liner inspection occur	02/02/2026
On what date will (or was) the remediation complete(d)	02/02/2026
What is the estimated surface area (in square feet) that will be reclaimed	2113
What is the estimated volume (in cubic yards) that will be reclaimed	39
What is the estimated surface area (in square feet) that will be remediated	2113
What is the estimated volume (in cubic yards) that will be remediated	39
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 572093

QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 572093
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Richard Kotzur Title: Senior Project Manager Email: NMEnvNotifications@exxonmobil.com Date: 04/07/2026
<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>	

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 5

Action 572093

QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 572093
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 572093

QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 572093
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	547673
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/04/2026
What was the (estimated) number of samples that were to be gathered	40
What was the sampling surface area in square feet	8000

Remediation Closure Request

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

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	2113
What was the total volume (cubic yards) remediated	39
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	2113
What was the total volume (in cubic yards) reclaimed	39
Summarize any additional remediation activities not included by answers (above)	Delineation and surface scraping activities were conducted at the Site to address the October 11, 2025, flare fire and crude oil release at the Site. The release occurred on pad and into the adjacent pasture. Laboratory analytical results for all final confirmation soil samples indicated all COC concentrations were compliant with the Closure Criteria and reclamation requirements, as applicable. Based on laboratory analytical results, no further remediation was required. Depth to groundwater has been estimated to be greater than 100 feet bgs and no sensitive receptors were identified near the release extent. XTO believes these remedial actions have been protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number nAPP2528533269.

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

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

I hereby agree and sign off to the above statement	Name: Richard Kotzur Title: Senior Project Manager Email: NMEnvNotifications@exxonmobil.com Date: 04/07/2026
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QUESTIONS, Page 7

Action 572093

QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 572093
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 572093

CONDITIONS

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 572093
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #nAPP2528533269 POKER LAKE UNIT 19 DOG TOWN DRAW CVB, thank you. This Remediation Closure Report is approved.	5/4/2026