



November 14, 2025

New Mexico Oil Conservation Division

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

**Re: Remediation Work Plan
PLU Ross Ranch 33-25-30 USA Battery
Incident Number nAPP2505230590
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared this *Remediation Work Plan (Work Plan)* to document Site assessment, excavation, and soil sampling activities at the PLU Ross Ranch 33-25-30 USA Battery (Site). The purpose of the Site assessment, excavation, and soil sampling activities was to assess for the presence or absence of impacts to soil following a release crude oil onto the facility pad. The following *Work Plan* describes excavation and soil sampling activities completed and proposes additional excavation to strictest Table I Closure Criteria.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit D, Section 33, Township 25 South, Range 30 East, in Eddy County, New Mexico (32.093372°, -103.892218°) and is associated with oil and gas exploration and production operations on Federal land managed by the Bureau of Land Management (BLM).

On February 20, 2025, freezing of a flare surface flowline resulted in the release of approximately 6 barrels (bbls) of crude oil onto the pad surface. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; 2 bbls of crude oil were recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) via Notification of Release (NOR) and submitted an Initial Release C-141 Application (C-141) on February 21, 2025. The release was assigned Incident Number nAPP2505230590.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

Depth to groundwater at the Site is greater than 100 feet below ground surface (bgs) based on a New Mexico Office of the State Engineer (OSE) permitted well drilled for exploration. On January 17, 2015, OSE well C-3832 (originally C-3782) was drilled 268 feet north of the Site utilizing mud rotary drilling

methods. Exploratory well C-3832 was drilled to a total depth of 805 feet bgs with groundwater first encountered at 260 feet bgs. The Well Record and Log is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a seasonal dry wash, located approximately 3,403 feet north of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is less 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 stable geology (low potential karst designation area).

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

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

SITE ASSESSMENT AND DELINEATION ACTIVITIES

Between February 27, 2025, and May 13, 2025, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the C-141 and visual observations. The release occurred on pad and near an active flare and production equipment. Twelve delineation soil samples (SS01 through SS12) were collected within and around the release extent from a depth of approximately 0.5 feet bgs. Delineation pothole PH01 was advanced within the earthen berm containment via hand auger to a terminal depth of 2 feet bgs to assess the vertical extent of the release. Delineation soil samples were collected from the pothole at depths ranging from 0.5 feet to 2 feet bgs. The delineation soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing Hach® chloride QuanTab® test strips. The release extent and delineation soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation is included in a Photographic Log in Appendix B. Field screening results and observations for the pothole were logged on a lithologic soil sampling log, which is included in Appendix C.

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

Laboratory analytical results for delineation soil samples, SS01 through SS05, SS10 through SS12, and PH01 indicated all COC concentrations were compliant with the Closure Criteria. Laboratory analytical results for delineation soil samples SS06 through SS09 indicated TPH and/or chloride concentrations exceeded the Closure Criteria.

SURFACE SCRAPING ACTIVITIES

Following delineation activities, surface scraping of visibly stained soil was conducted in the release area utilizing heavy equipment. Once surface scraping activities were completed, 5-point composite soil samples were collected every 200 square feet from the release extent area. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Confirmation soil samples CS01 through CS34 were collected from within the release area from a depth of 0.5 feet bgs. The confirmation soil samples were collected, handled, and analyzed following the same procedures as described above. The confirmation soil sample locations are depicted on Figure 3.

Laboratory analytical results for confirmation soil samples CS04, CS14, CS15, CS26, and CS30 through CS32, indicated all COC concentrations were compliant with the Closure Criteria. Laboratory analytical results for confirmation soil samples CS01 through CS03, CS05 through CS13, CS16 through CS25, CS27 through CS29, CS33 and CS34, indicated TPH and/or chloride concentrations exceeded the Closure Criteria. Based on visible staining in the release area and laboratory analytical results, additional remediation activities were warranted.

EXCAVATION AND SOIL SAMPLING ACTIVITIES

Between March 27 and April 14, 2025, Ensolum personnel returned to the Site to oversee excavation activities. Excavation via heavy equipment was conducted to the maximum extent practicable (MEP) due to the proximity of an active flare and production equipment. XTO safety policy prohibits soil disturbing activities within 2 feet of active production equipment and pipelines. Once impacted soil was removed, 5-point composite soil samples were collected every 200 square feet from the floor and the sidewall of the excavation extent. Excavation floor soil samples FS01 through FS28 were collected from the floor of the excavation at depths ranging from 0.5 feet bgs to 1-foot bgs. Excavation sidewall soil samples SW01 and SW02 were collected from the sidewall of the excavation at depths ranging from the ground surface to 1-foot bgs. The confirmation soil samples were collected, handled, and analyzed following the same procedures as described above.

The excavation and confirmation soil sample locations are depicted on Figure 3.

The excavation extent completed to date measured approximately 5,600 square feet and approximately 155 cubic yards of impacted soil were removed. The impacted soil was transported and properly disposed of at the R360 Landfill Disposal Facility located in Hobbs, New Mexico.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for excavation soil samples FS05, FS09, FS10, FS13, FS15, FS22, FS26 through FS28, and sidewall soil samples SW01 and SW02, indicated all COC concentrations were compliant with the Closure Criteria. Laboratory analytical results for excavation soil samples FS01 through FS04, FS06 through FS08, FS11, FS12, FS14, FS16 through FS21, and FS23 through FS25, indicated TPH and/or chloride concentrations exceeded Closure Criteria. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included as Appendix D.

XTO Energy, Inc.
Remediation Work Plan
PLU Ross Ranch 33-25-30 USA Battery



PROPOSED REMEDIATION WORK PLAN

The delineation and confirmation soil sampling results indicate soil containing elevated TPH and/or chloride concentrations exist on pad across an approximate 5,576 square foot area and extends to depths of 1-foot bgs. As such, XTO proposes to complete the following remediation activities:

- Excavation of the remaining impacted soil to an estimated depth of 1-foot bgs. Excavation will proceed until confirmation soil samples confirm all COC concentrations are compliant with the Closure Criteria.
- Confirmation soil samples will be collected at a sampling frequency representing no more than 200 square feet.
- An estimated 207 cubic yards of impacted soil will be excavated and disposed of at a New Mexico approved disposal facility.
- The excavation will be backfilled with locally procured material and recontoured to match pre-existing conditions.

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 "Jaden Engels".

Jaden Engels
Associate Geologist

A handwritten signature in black ink that reads "Morrissey".

Tacoma Morrissey
Associate Principal

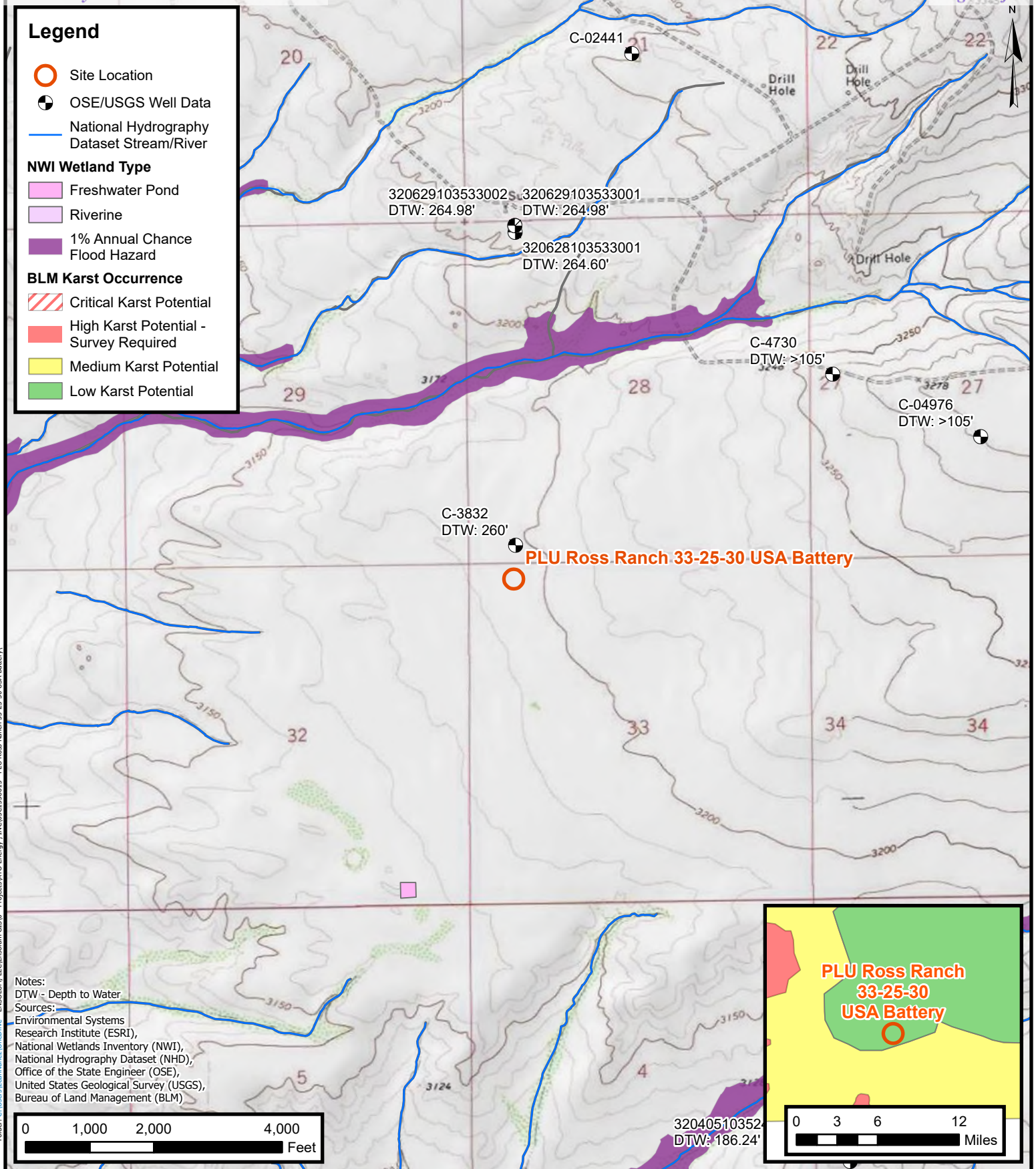
cc: Richard Kotzur, XTO
Robert Woodall, XTO
Bureau of Land Management

Appendices:

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

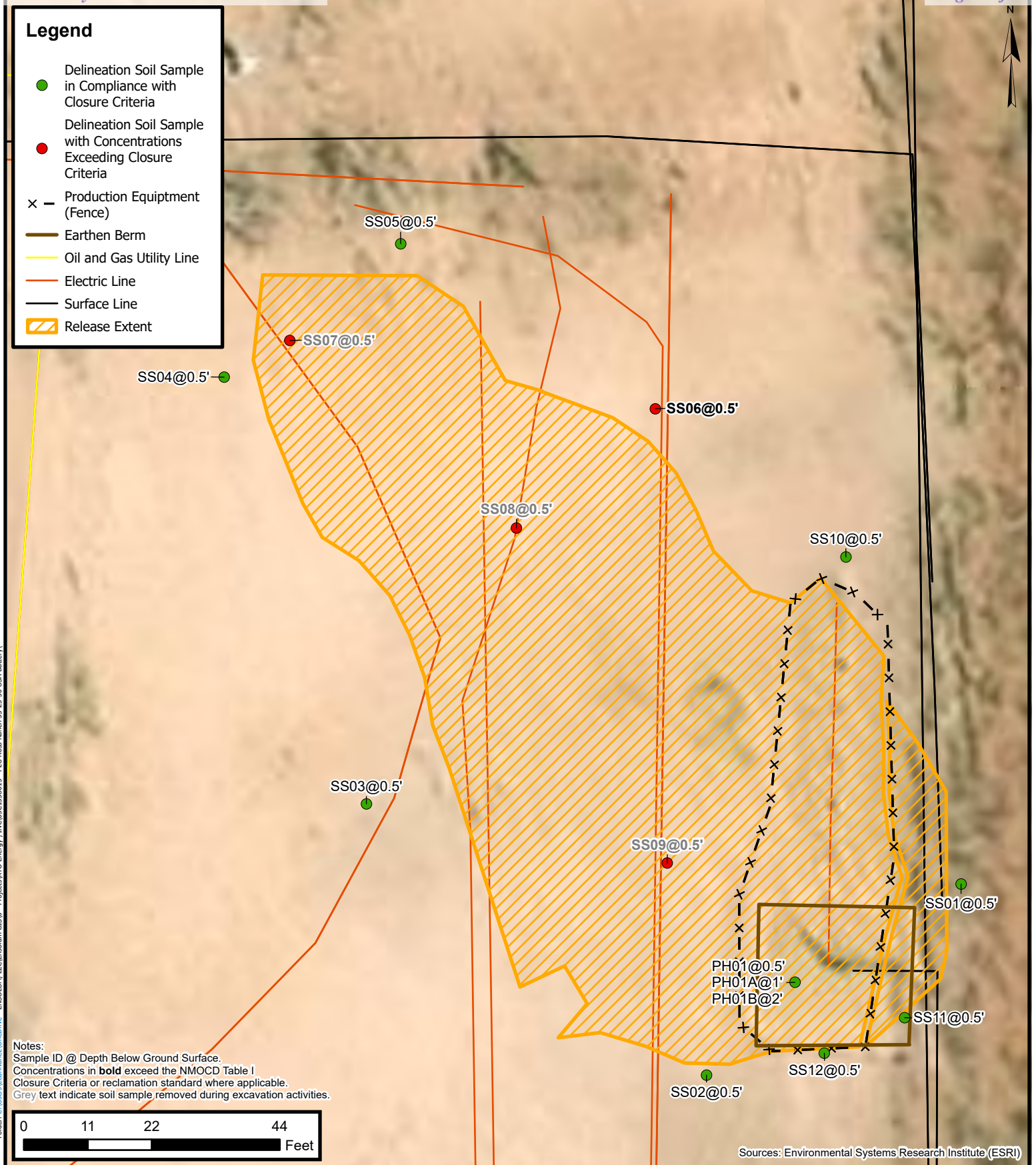


FIGURES



Site Receptor Map
XTO Energy, INC.
PLU Ross Ranch 33-25-30 USA Battery
Incident Number: nAPP2505230590
Unit D, Section 33, T 25S, R 30E
Eddy County, New Mexico

FIGURE
1



Delineation Soil Sample Locations

XTO Energy, INC.

PLU Ross Ranch 33-25-30 USA Battery

Incident Number: nAPP2505230590

Unit D, Section 33, T 25S, R 30E

Eddy County, New Mexico

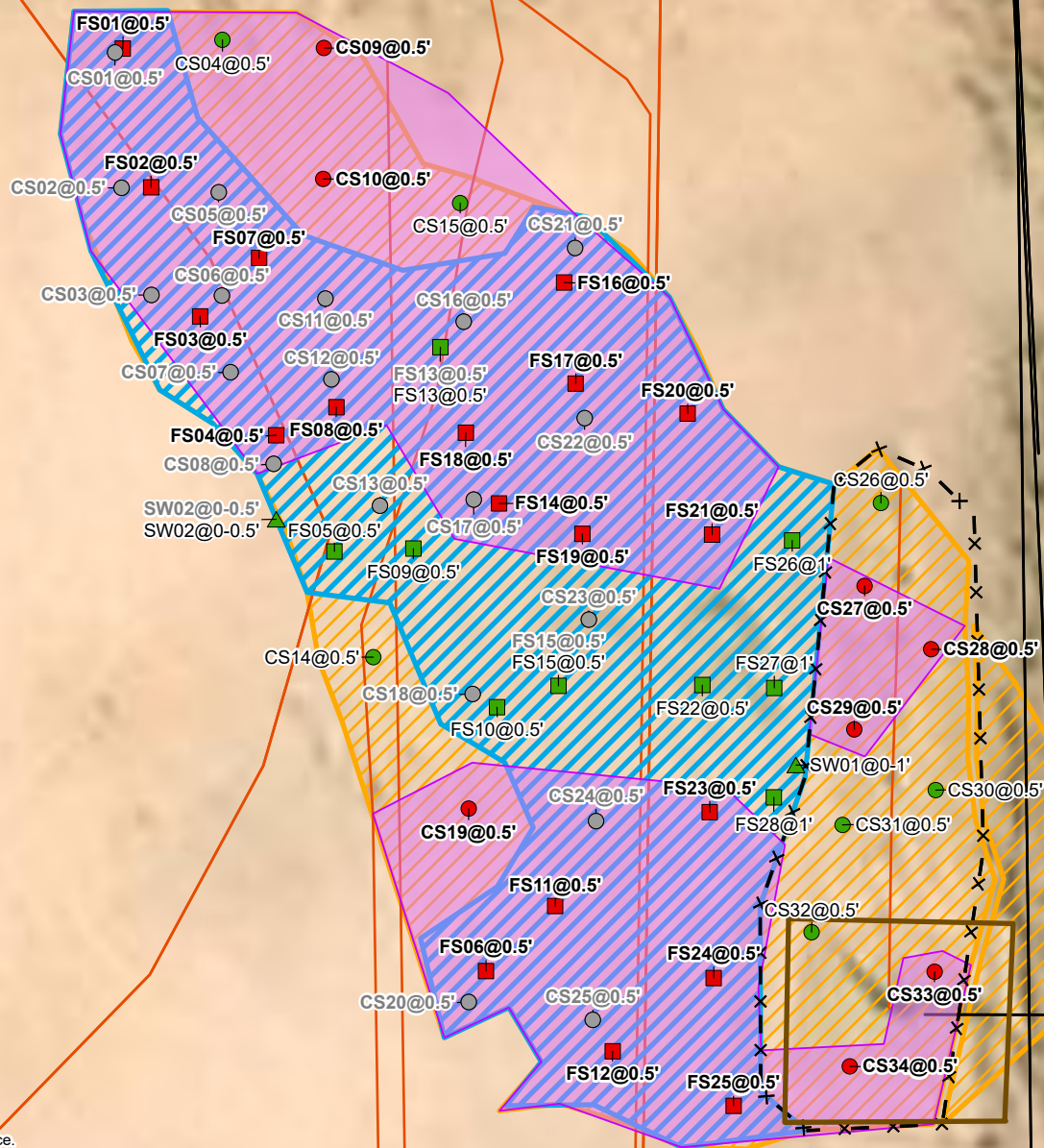
FIGURE

2



Legend

- Soil Sample - Excavated
- Confirmation Floor Soil Sample in Compliance with Closure Criteria
- Confirmation Floor Soil Sample with Concentrations Exceeding Closure Criteria
- Excavation Floor Soil Sample in Compliance with Closure Criteria
- Excavation Floor Soil Sample with Concentrations Exceeding Closure Criteria
- ▲ Excavation Sidewall Soil Sample in Compliance with Closure Criteria
- Oil and Gas Utility Line
- Electric Utility Line
- Surface Line
- × - Production Equipment (Fence)
- Earthen Berm
- Proposed Excavation Extent
- Infrastructure
- Release Extent
- Excavation Extent



Confirmation Soil Sample Locations

XTO Energy, INC.

PLU Ross Ranch 33-25-30 USA Battery

Incident Number: nAPP2505230590

Unit D, Section 33, T 25S, R 30E

Eddy County, New Mexico

FIGURE

3



TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
PLU Ross Ranch 33-25-30 USA Battery
XTO Energy, Inc
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Delineation Soil Samples										
SS01	02/27/2025	0.5	<0.050	<0.300	<10.0	58.2	<10.0	58.2	58.2	112
SS02	02/27/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SS03	02/27/2025	0.5	<0.050	<0.300	<10.0	82.5	<10.0	82.5	82.5	160
SS04	02/27/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SS05	02/27/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SS06	02/27/2025	0.5	<0.050	<0.300	<10.0	190	34.2	190	224	272
SS07	02/27/2025	0.5	<0.050	<0.300	<10.0	314	501	314	815	320
SS08	02/27/2025	0.5	<0.050	22.5	365	2,490	335	2,855	3,190	1,500
SS09	02/27/2025	0.5	0.847	130	875	2,990	389	3,865	4,254	1,500
SS10	03/10/2025	0.5	<0.050	<0.300	<10.0	34.4	<10.0	34.4	34.4	144
SS11	05/13/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS12	05/13/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
PH01	04/14/2025	0.5	<0.050	<0.300	75.0	<10.0	<10.0	75.0	75.0	144
PH01A	04/14/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
PH01B	04/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
Confirmation Soil Samples										
CS01	03/10/2025	0.5	<0.050	<0.300	<10.0	2,970	550	2,970	3,520	1,920
CS02	03/10/2025	0.5	<0.050	<0.300	<10.0	3,780	788	3,780	4,568	2,600
CS03	03/10/2025	0.5	<0.050	<0.300	<10.0	2,020	418	2,020	2,438	1,540
CS04	03/10/2025	0.5	<0.050	<0.300	<10.0	77.0	22.6	77.0	99.6	96.0
CS05	03/10/2025	0.5	<0.050	0.824	68.7	14,400	1,090	14,469	15,559	2,440
CS06	03/10/2025	0.5	<0.050	<0.300	<10.0	3,220	527	3,220	3,747	4,800
CS07	03/10/2025	0.5	<0.050	<0.300	<10.0	4,190	812	4,190	5,002	4,080
CS08	03/10/2025	0.5	<0.050	<0.300	<10.0	1,790	370	1,790	2,160	5,730
CS09	03/10/2025	0.5	<0.050	<0.300	<10.0	450	94.5	450	545	176
CS10	03/10/2025	0.5	<0.050	<0.300	<10.0	201	34.3	201	235	992
CS11	03/10/2025	0.5	<0.050	4.04	307	7,730	1,180	8,037	9,217	20,600
CS12	03/10/2025	0.5	<0.050	<0.300	29.9	997	160	1,027	1,187	1,730
CS13	03/10/2025	0.5	<0.050	1.17	67.9	2,540	357	2,608	2,965	1,490
CS14	03/10/2025	0.5	<0.050	<0.300	<10.0	41.9	19.3	41.9	61.2	96.0
CS15	03/10/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
PLU Ross Ranch 33-25-30 USA Battery
XTO Energy, Inc
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
CS16	03/10/2025	0.5	<0.050	10.5	672	9,410	1,010	10,082	11,092	5,600
CS17	03/10/2025	0.5	<0.050	55.9	1,110	9,630	1,380	10,740	12,120	4,800
CS18	03/10/2025	0.5	<0.050	75.5	1,600	7,940	1,020	9,540	10,560	4,160
CS19	03/10/2025	0.5	<0.050	0.335	<10.0	480	82.0	480	562	8,240
CS20	03/10/2025	0.5	<0.050	1.12	105	8,450	1,260	8,555	9,815	10,000
CS21	03/10/2025	0.5	<0.050	<0.300	<10.0	4,170	825	4,170	4,995	3,120
CS22	03/10/2025	0.5	<0.050	4.50	540	12,100	1,790	12,640	14,430	4,160
CS23	03/10/2025	0.5	<0.050	1.88	44.7	2,330	364	2,375	2,739	5,120
CS24	03/10/2025	0.5	<0.050	74.6	1,680	15,200	2,170	16,880	19,050	7,730
CS25	03/10/2025	0.5	<0.050	7.53	327	8,750	1,290	9,077	10,367	14,200
CS26	03/27/2025	0.5	<0.050	<0.300	<10.0	57.9	20.9	57.9	78.8	176
CS27	03/27/2025	0.5	<0.050	<0.300	<10.0	125	51.6	125	177	208
CS28	03/27/2025	0.5	<0.050	<0.300	<10.0	120	36.7	120	157	400
CS29	03/27/2025	0.5	<0.050	<0.300	<10.0	97.4	18.2	97.4	116	192
CS30	03/27/2025	0.5	<0.050	<0.300	<10.0	21.1	<10.0	21.1	21.1	112
CS31	03/27/2025	0.5	<0.050	<0.300	<10.0	36.2	<10.0	36.2	36.2	176
CS32	03/27/2025	0.5	<0.050	<0.300	<10.0	22.9	<10.0	22.9	22.9	112
CS33	03/27/2025	0.5	<0.050	0.866	130	2,730	375	2,860	3,235	1,600
CS34	03/27/2025	0.5	<0.050	2.27	61.0	1,570	269	1,631	1,900	1,180



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
PLU Ross Ranch 33-25-30 USA Battery
XTO Energy, Inc
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Excavation Soil Samples										
FS01	03/27/2025	0.5	<0.050	<0.300	<10.0	153	17.8	153	171	1,170
FS02	03/27/2025	0.5	<0.050	<0.300	<10.0	19.6	<10.0	19.6	19.6	1,760
FS03	03/27/2025	0.5	<0.050	<0.300	<10.0	234	17.3	234	251	2,160
FS04	03/27/2025	0.5	<0.050	<0.300	<10.0	12.1	<10.0	12.1	12.1	816
FS05	03/27/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560
FS06	03/27/2025	0.5	<0.050	<0.300	<10.0	197	24.6	197	222	1,300
FS07	03/27/2025	0.5	<0.050	<0.300	<10.0	223	24.3	223	247	6,000
FS08	03/27/2025	0.5	<0.050	<0.300	<10.0	11.2	<10.0	11.2	11.2	4,480
FS09	03/27/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS10	03/27/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS11	03/27/2025	0.5	<0.050	<0.300	<10.0	924	203	924	1,127	960
FS12	03/27/2025	0.5	<0.050	<0.300	<10.0	416	64.8	416	481	768
FS13	04/14/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
FS14	03/27/2025	0.5	<0.050	<0.300	<10.0	280	33.5	280	314	1,390
FS15	04/14/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
FS16	03/27/2025	0.5	<0.050	<0.300	<10.0	237	35.1	237	272	352
FS17	03/27/2025	0.5	<0.050	<0.300	<10.0	111	13.4	111	124	656
FS18	03/27/2025	0.5	<0.050	<0.300	<10.0	32.1	<10.0	32.1	32.1	1,570
FS19	03/27/2025	0.5	<0.050	<0.300	<10.0	14.3	<10.0	14.3	14.3	4,800
FS20	03/27/2025	0.5	<0.050	<0.300	<10.0	226	11.7	226	238	5,840
FS21	03/27/2025	0.5	<0.050	<0.300	<10.0	29.3	<10.0	29.3	29.3	2,160
FS22	03/27/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS23	03/27/2025	0.5	<0.050	<0.300	<10.0	40.4	<10.0	40.4	40.4	4,240
FS24	03/27/2025	0.5	<0.050	<0.300	<10.0	239	19.5	239	259	5,680
FS25	03/27/2025	0.5	<0.050	<0.300	<10.0	14.8	<10.0	14.8	14.8	896
FS26	03/27/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS27	03/27/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS28	03/27/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
PLU Ross Ranch 33-25-30 USA Battery
XTO Energy, Inc
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
SW01	03/27/2025	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
SW02	03/27/2025	0-0.5	<0.050	<0.300	<10.0	19.3	<10.0	19.3	19.3	1,090
SW02	04/14/2025	0-0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

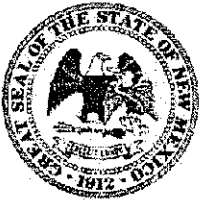
NMAC: New Mexico Administrative Code

~~Grey~~ text indicates soil sample removed during excavation activities



APPENDIX A

Referenced Well Records



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NUMBER (WELL NUMBER) POD-1 <i>Renumbered C-3832-POD 2</i>			OSE FILE NUMBER(S) <i>Renumbered C 3782 (exploratory) C-3832</i>			
	WELL OWNER NAME(S) BOPCO, L.P.			PHONE (OPTIONAL) (817) 390-8662			
	WELL OWNER MAILING ADDRESS 201 N Main St Suite 2900			CITY STATE ZIP Fort Worth TX 76102			
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 05	SECONDS 40.1	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE 103	53	32.2	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SW1/4SE1/4SW1/4 of Section 28, Township 25 South, Range 30 East, in the NE corner of a well pad.							
2. DRILLING & CASING INFORMATION	LICENSE NUMBER 331		NAME OF LICENSED DRILLER Joel H. Stewart		NAME OF WELL DRILLING COMPANY SBQ Drilling, LLC		
	DRILLING STARTED 01-16-15	DRILLING ENDED 01-17-15	DEPTH OF COMPLETED WELL (FT) 805	BORE HOLE DEPTH (FT) ±805	DEPTH WATER FIRST ENCOUNTERED (FT)		
	COMPLETED WELL IS: <input checked="" type="radio"/> ARTESIAN <input type="radio"/> DRY HOLE <input type="radio"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 277		
	DRILLING FLUID: <input type="radio"/> AIR <input checked="" type="radio"/> MUD ADDITIVES - SPECIFY:						
	DRILLING METHOD: <input checked="" type="radio"/> ROTARY <input type="radio"/> HAMMER <input type="radio"/> CABLE TOOL <input type="radio"/> OTHER - SPECIFY:						
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)
	0 270		14.75	AS1M A53B	Welded	8.625	0.322
	270 805		14.75	304 Stainless Steel	Welded	8.625	0.25
	0 15		19	AS1M A53B	---	16	0.25
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT	
	0 120		14.75	Sand Mix Ready Mix	90.36	grav. tremie meas.	
	120 170		14.75	Hydrated Bentonite Chips	35.90	grav. tremie meas.	
	170 805		14.75	6/9 Silica Sand	455.95	I remie Pipe	

FOR OSE INTERNAL USE *Renumbered from C-3782-POD1*

WR-20 WELL RECORD & LOG (Version 06/08/2012)

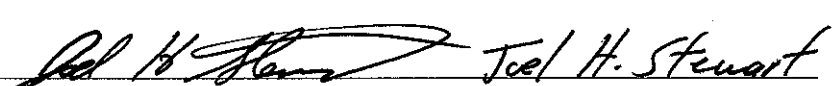
FILE NUMBER *C-3832*

POD NUMBER *POD 2*

TRN NUMBER *555125*

LOCATION *25.30.28.3343*

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
0	30	30	Cemented Sand, light tan, sub-angular	<input type="radio"/> Y <input type="radio"/> N	
30	40	10	Sandy Silt, light brown, sub-angular	<input type="radio"/> Y <input type="radio"/> N	
40	60	20	Sandy clay, reddish brown	<input type="radio"/> Y <input type="radio"/> N	
60	80	20	Silty Sand, light brown, sub-angular	<input type="radio"/> Y <input type="radio"/> N	
80	250	170	Fine to Medium Sand, light tan, sub-angular to rounded	<input type="radio"/> Y <input type="radio"/> N	
250	260	10	Clayey Sand, brown, sub-angular	<input type="radio"/> Y <input type="radio"/> N	
260	320	60	Fine Sand, light tan, sub-angular	<input checked="" type="radio"/> Y <input type="radio"/> N	
320	380	60	Silty Sand, brownish gray, sub-angular	<input checked="" type="radio"/> Y <input type="radio"/> N	
380	410	30	Fine Sand, dark gray, sub-angular	<input checked="" type="radio"/> Y <input type="radio"/> N	
410	530	120	Clayey Fine Sand, dark gray, sub-angular	<input checked="" type="radio"/> Y <input type="radio"/> N	
530	590	60	Sandy Clay, dark gray, sub-angular	<input checked="" type="radio"/> Y <input type="radio"/> N	
590	600	10	Clayey Fine Sand, dark gray, sub-angular	<input checked="" type="radio"/> Y <input type="radio"/> N	
600	630	30	Sandy Clay, dark gray, sub-angular	<input checked="" type="radio"/> Y <input type="radio"/> N	
630	650	20	Clayey Sand, dark gray, sub-angular	<input checked="" type="radio"/> Y <input type="radio"/> N	
650	700	50	Sandy Clay, dark gray, sub-angular	<input checked="" type="radio"/> Y <input type="radio"/> N	
700	710	10	Clayey Sand, brown and gray, sub-angular	<input checked="" type="radio"/> Y <input type="radio"/> N	
710	760	50	Sandy Clay, dark gray, sub-angular	<input checked="" type="radio"/> Y <input type="radio"/> N	
760	770	10	Clay, 75% gray, 25% red	<input checked="" type="radio"/> Y <input type="radio"/> N	
770	780	10	Clay, 50% gray, 50% red	<input checked="" type="radio"/> Y <input type="radio"/> N	
780	790	10	Clay, 25% gray, 75% red	<input checked="" type="radio"/> Y <input type="radio"/> N	
790	805	15	Sandy Clay, Grayish red, 10% white sand.	<input checked="" type="radio"/> Y <input type="radio"/> N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="radio"/> PUMP			TOTAL ESTIMATED WELL YIELD (gpm): TBD		
<input type="radio"/> AIR LIFT <input type="radio"/> BAILER <input checked="" type="radio"/> OTHER - SPECIFY: TBD by pump test					
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: Pump test will be performed at a later time. Hydrated Bentonite Chips and Sand Mix Ready Mix were placed by gravity and tagged with tremie pipe. PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Silverio Galindo, Gabriel Armijo, Pedro Pizano					
6. SIGNATURE THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:  <u>Joel H. Stewart</u> <u>2-13-15</u> SIGNATURE OF DRILLER / PRINT SIGNEE NAME DATE					

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER C-3832

POD NUMBER PAD 2

TRN NUMBER 555125

LOCATION 25.30.28.3343

PAGE 2 OF 2

Locator Tool Report**General Information:**

Application ID:27 Date: 05-28-2015 Time: 12:01:24

WR File Number: C-03782-POD1
Purpose: POINT OF DIVERSIONApplicant First Name: BOPCO EXPLORATORY WELL DRILLERS RECORD
Applicant Last Name: RENUMBERED C-3832-POD2GW Basin: CARLSBAD
County: EDDYCritical Management Area Name(s): NONE
Special Condition Area Name(s): NONE
Land Grant Name: NON GRANT**PLSS Description (New Mexico Principal Meridian):**

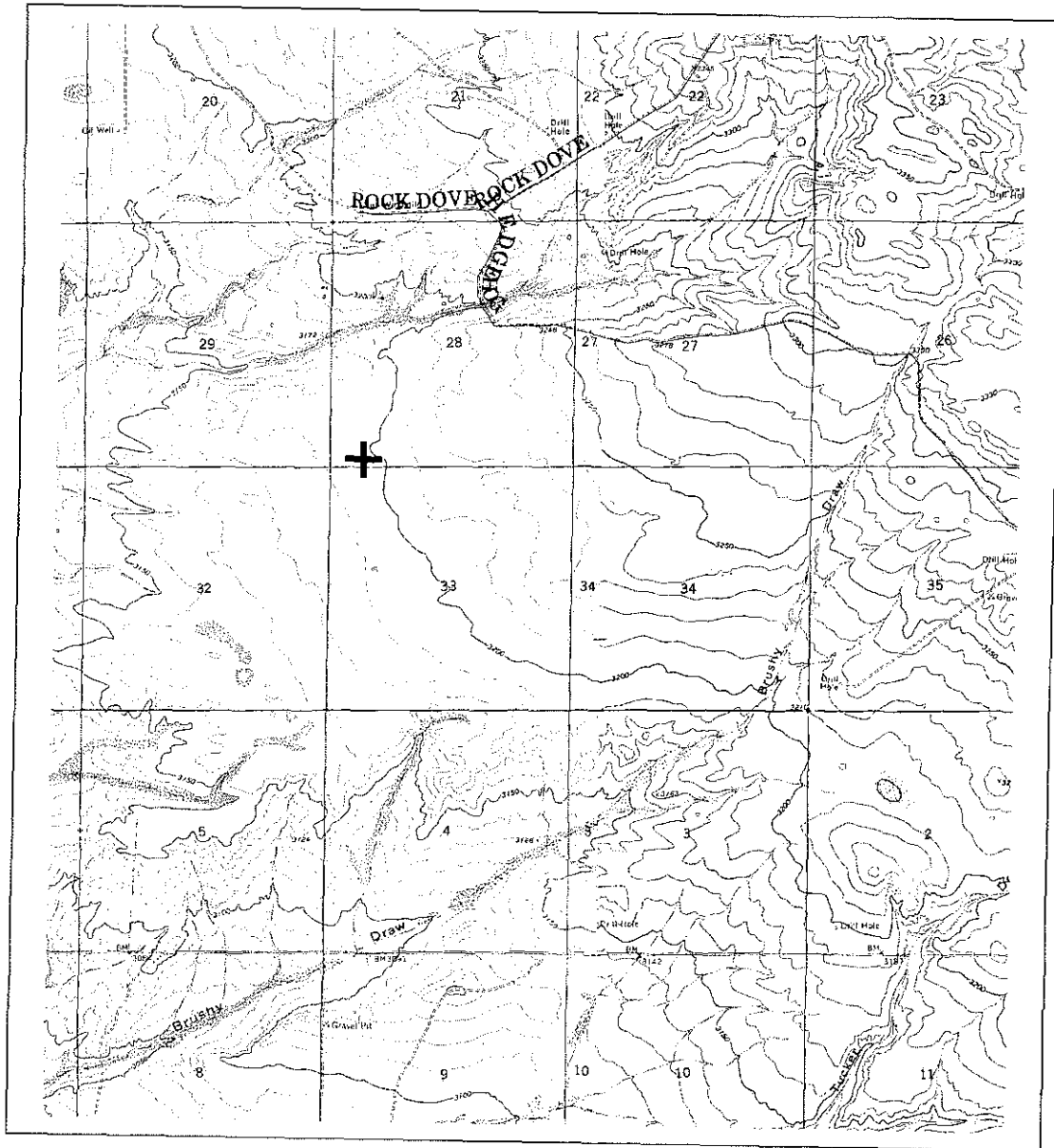
SW 1/4 of SE 1/4 of SW 1/4 of SW 1/4 of Section 28, Township 25S, Range 30E.

Coordinate System Details:**Geographic Coordinates:**Latitude: 32 Degrees 5 Minutes 40.1 Seconds N
Longitude: 103 Degrees 53 Minutes 32.2 Seconds W**Universal Transverse Mercator Zone: 13N**

NAD 1983(92) (Meters)	N: 3,551,444	E: 604,526
NAD 1983(92) (Survey Feet)	N: 11,651,697	E: 1,983,348
NAD 1927 (Meters)	N: 3,551,243	E: 604,573
NAD 1927 (Survey Feet)	N: 11,651,036	E: 1,983,505

State Plane Coordinate System Zone: New Mexico East

NAD 1983(92) (Meters)	N: 121,428	E: 206,630
NAD 1983(92) (Survey Feet)	N: 398,385	E: 677,920
NAD 1927 (Meters)	N: 121,410	E: 194,077
NAD 1927 (Survey Feet)	N: 398,327	E: 636,734

NEW MEXICO OFFICE OF STATE ENGINEER**Locator Tool Report**

WR File Number: C-03782-POD1 Scale: 1:47,832

Northing/Easting: UTM83(92) (Meter): N: 3,551,444

E: 604,526

Northing/Easting: SPCS83(92) (Feet): N: 398,385

E: 677,920

GW Basin: Carlsbad



APPENDIX B

Photographic Log

**Photographic Log**

XTO Energy, Inc
 PLU Ross Ranch 33-25-30 USA Battery
 nAPP2505230590

☉ 34°NE (T) LAT: 32.093574 LON: -103.892445 ±16ft ▲ 3200ft



Photograph: 1 Date: 3/10/2025
 Description: Delineation activities
 View: Northeast

☉ 167°S (T) LAT: 32.093552 LON: -103.892397 ±45ft ▲ 3200ft



Photograph: 2 Date: 3/10/2025
 Description: Delineation activities
 View: South

☉ 9°N (T) LAT: 32.093210 LON: -103.892287 ±9ft ▲ 3201ft



Photograph: 3 Date: 3/10/2025
 Description: Delineation activities
 View: North

☉ 241°SW (T) LAT: 32.093369 LON: -103.892423 ±6ft ▲ 3203ft



Photograph: 4 Date: 3/10/2025
 Description: Delineation activities
 View: Southwest

**Photographic Log**

XTO Energy, Inc

PLU Ross Ranch 33-25-30 USA Battery

nAPP2505230590



Photograph: 5 Date: 3/26/2025
Description: Excavation activities
View: Southwest



Photograph: 6 Date: 3/27/2025
Description: Excavation activities
View: Northwest



Photograph: 7 Date: 4/14/2025
Description: Excavation activities
View: Northwest




Photograph: 8 Date: 4/14/2025
Description: Excavation activities
View: Northeast



APPENDIX C

Lithologic Soil Sampling Log

 ENSOLUM		Sample Name: PH01		Date: 4/14/2025				
		Site Name: PLU Ross Ranch 33-25-30 USA Battery						
		Incident Number: nAPP2505230590						
		Job Number: 03C1558615						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.093350, -103.892200			Logged By: Connor Whitman		Method: Hand auger			
			Hole Diameter: 4"		Total Depth: 2 feet			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% chloride correction factor is included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	<168	0.5	N	PH01	0.5	0	CCHE	(0-2') CALICHE, tan, silty, very fine to medium grained, non cohesive
D	<168	0.0	N	PH01A	1	1		
D	<168	0	N	PH01B	2	2	SP	(@2') SAND, Reddish brown, silty, very fine to medium grained, moist, Non cohesive
Total depth @ 2' bgs								



APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



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

March 06, 2025

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: PLU ROSS DRAW 33-25-30 USA BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/28/25 9:40.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/28/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.09279-103.89216		

Sample ID: SS 01 0.5' (H251215-01)

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	03/04/2025	ND	2.03	101	2.00	1.32	
Toluene*	<0.050	0.050	03/04/2025	ND	2.15	107	2.00	2.14	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.19	109	2.00	3.15	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.76	113	6.00	2.95	
Total BTX	<0.300	0.300	03/04/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/03/2025	ND	448	112	400	7.41	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/03/2025	ND	206	103	200	4.14	
DRO >C10-C28*	58.2	10.0	03/03/2025	ND	202	101	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	03/03/2025	ND					

Surrogate: 1-Chlorooctane 101 % 71.8-148

Surrogate: 1-Chlorooctadecane 106 % 63.9-155

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/28/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.09279-103.89216		

Sample ID: SS 02 0.5' (H251215-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/04/2025	ND	2.03	101	2.00	1.32		
Toluene*	<0.050	0.050	03/04/2025	ND	2.15	107	2.00	2.14		
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.19	109	2.00	3.15		
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.76	113	6.00	2.95		
Total BTEX	<0.300	0.300	03/04/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/03/2025	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/03/2025	ND	206	103	200	4.14	
DRO >C10-C28*	<10.0	10.0	03/03/2025	ND	202	101	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	03/03/2025	ND					

Surrogate: 1-Chlorooctane 98.1 % 71.8-148

Surrogate: 1-Chlorooctadecane 102 % 63.9-155

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/28/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.09279-103.89216		

Sample ID: SS 03 0.5' (H251215-03)

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	03/04/2025	ND	2.03	101	2.00	1.32		
Toluene*	<0.050	0.050	03/04/2025	ND	2.15	107	2.00	2.14		
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.19	109	2.00	3.15		
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.76	113	6.00	2.95		
Total BTEX	<0.300	0.300	03/04/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/03/2025	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/03/2025	ND	206	103	200	4.14	
DRO >C10-C28*	82.5	10.0	03/03/2025	ND	202	101	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	03/03/2025	ND					

Surrogate: 1-Chlorooctane 95.9 % 71.8-148

Surrogate: 1-Chlorooctadecane 101 % 63.9-155

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/28/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.09279-103.89216		

Sample ID: SS 04 0.5' (H251215-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/04/2025	ND	2.03	101	2.00	1.32		
Toluene*	<0.050	0.050	03/04/2025	ND	2.15	107	2.00	2.14		
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.19	109	2.00	3.15		
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.76	113	6.00	2.95		
Total BTEX	<0.300	0.300	03/04/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/03/2025	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/03/2025	ND	206	103	200	4.14	
DRO >C10-C28*	<10.0	10.0	03/03/2025	ND	202	101	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	03/03/2025	ND					

Surrogate: 1-Chlorooctane 92.3 % 71.8-148

Surrogate: 1-Chlorooctadecane 95.5 % 63.9-155

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/28/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.09279-103.89216		

Sample ID: SS 05 0.5' (H251215-05)

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	03/04/2025	ND	2.03	101	2.00	1.32		
Toluene*	<0.050	0.050	03/04/2025	ND	2.15	107	2.00	2.14		
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.19	109	2.00	3.15		
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.76	113	6.00	2.95		
Total BTEX	<0.300	0.300	03/04/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/03/2025	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/03/2025	ND	206	103	200	4.14	
DRO >C10-C28*	<10.0	10.0	03/03/2025	ND	202	101	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	03/03/2025	ND					

Surrogate: 1-Chlorooctane 81.3 % 71.8-148

Surrogate: 1-Chlorooctadecane 85.0 % 63.9-155

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/28/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.09279-103.89216		

Sample ID: SS 06 0.5' (H251215-06)

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	03/04/2025	ND	2.03	101	2.00	1.32		
Toluene*	<0.050	0.050	03/04/2025	ND	2.15	107	2.00	2.14		
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.19	109	2.00	3.15		
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.76	113	6.00	2.95		
Total BTEX	<0.300	0.300	03/04/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	03/03/2025	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/03/2025	ND	206	103	200	4.14	
DRO >C10-C28*	190	10.0	03/03/2025	ND	202	101	200	1.22	
EXT DRO >C28-C36	34.2	10.0	03/03/2025	ND					

Surrogate: 1-Chlorooctane 85.5 % 71.8-148

Surrogate: 1-Chlorooctadecane 88.0 % 63.9-155

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/28/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.09279-103.89216		

Sample ID: SS 07 0.5' (H251215-07)

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	03/04/2025	ND	2.03	101	2.00	1.32		
Toluene*	<0.050	0.050	03/04/2025	ND	2.15	107	2.00	2.14		
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.19	109	2.00	3.15		
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.76	113	6.00	2.95		
Total BTEX	<0.300	0.300	03/04/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	03/03/2025	ND	448	112	400	7.41	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/03/2025	ND	206	103	200	4.14	
DRO >C10-C28*	314	10.0	03/03/2025	ND	202	101	200	1.22	
EXT DRO >C28-C36	50.1	10.0	03/03/2025	ND					

Surrogate: 1-Chlorooctane 89.7 % 71.8-148

Surrogate: 1-Chlorooctadecane 88.4 % 63.9-155

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/28/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.09279-103.89216		

Sample ID: SS 08 0.5' (H251215-08)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	2.03	101	2.00	1.32	
Toluene*	0.562	0.050	03/04/2025	ND	2.15	107	2.00	2.14	
Ethylbenzene*	1.32	0.050	03/04/2025	ND	2.19	109	2.00	3.15	
Total Xylenes*	20.6	0.150	03/04/2025	ND	6.76	113	6.00	2.95	GC-NC1
Total BTEX	22.5	0.300	03/04/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 221 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1600	16.0	03/03/2025	ND	416	104	400	0.00	QM-07

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	365	10.0	03/03/2025	ND	206	103	200	4.14	
DRO >C10-C28*	2490	10.0	03/03/2025	ND	202	101	200	1.22	
EXT DRO >C28-C36	335	10.0	03/03/2025	ND					

Surrogate: 1-Chlorooctane 115 % 71.8-148

Surrogate: 1-Chlorooctadecane 88.6 % 63.9-155

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/28/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.09279-103.89216		

Sample ID: SS 09 0.5' (H251215-09)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.847	0.500	03/04/2025	ND	2.03	101	2.00	1.32	GC-NC1
Toluene*	20.1	0.500	03/04/2025	ND	2.15	107	2.00	2.14	
Ethylbenzene*	8.54	0.500	03/04/2025	ND	2.19	109	2.00	3.15	
Total Xylenes*	100	1.50	03/04/2025	ND	6.76	113	6.00	2.95	GC-NC1
Total BTEX	130	3.00	03/04/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 150 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3160	16.0	03/03/2025	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*	872	10.0	03/03/2025	ND	206	103	200	4.14	
DRO >C10-C28*	2990	10.0	03/03/2025	ND	202	101	200	1.22	
EXT DRO >C28-C36	389	10.0	03/03/2025	ND					

Surrogate: 1-Chlorooctane 137 % 71.8-148

Surrogate: 1-Chlorooctadecane 97.6 % 63.9-155

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

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.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
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



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

May 16, 2025

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

RE: PLU ROSS RANCH 33-25-30 USA BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/15/25 14:00.

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

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 "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For 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:	05/15/2025	Sampling Date:	05/13/2025
Reported:	05/16/2025	Sampling Type:	Soil
Project Name:	PLU ROSS RANCH 33-25-30 USA BATTER	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09302,-103.89246		

Sample ID: SS 11 0.5 (H252934-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/16/2025	ND	2.15	108	2.00	1.47	
Toluene*	<0.050	0.050	05/16/2025	ND	2.26	113	2.00	2.38	
Ethylbenzene*	<0.050	0.050	05/16/2025	ND	2.14	107	2.00	1.22	
Total Xylenes*	<0.150	0.150	05/16/2025	ND	6.40	107	6.00	1.22	
Total BTEX	<0.300	0.300	05/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/16/2025	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2025	ND	188	93.9	200	1.42	
DRO >C10-C28*	<10.0	10.0	05/15/2025	ND	199	99.4	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	05/15/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.3 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For 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:	05/15/2025	Sampling Date:	05/13/2025
Reported:	05/16/2025	Sampling Type:	Soil
Project Name:	PLU ROSS RANCH 33-25-30 USA BATTER	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09302,-103.89246		

Sample ID: SS 12 0.5 (H252934-02)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/16/2025	ND	2.15	108	2.00	1.47	
Toluene*	<0.050	0.050	05/16/2025	ND	2.26	113	2.00	2.38	
Ethylbenzene*	<0.050	0.050	05/16/2025	ND	2.14	107	2.00	1.22	
Total Xylenes*	<0.150	0.150	05/16/2025	ND	6.40	107	6.00	1.22	
Total BTX	<0.300	0.300	05/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	05/16/2025	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2025	ND	188	93.9	200	1.42	
DRO >C10-C28*	<10.0	10.0	05/15/2025	ND	199	99.4	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	05/15/2025	ND					

Surrogate: 1-Chlorooctane 98.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.0 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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 "Mike Snyder".

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC Project Manager: Tracy Hillard Address: 3122 National Parks Hwy City: Carlsbad Phone #: 575-937-3906 Project #: 03C1558615 Project Name: PLU Ross Draw 33-25-30 USA Battery Project Location: 32.09279, -103.89216 Sampler Name: Alex Ferrell										BILL TO P.O. #: Company: XTO Energy Inc Attn: Colton Brown Address: 3104 E Green St City: Carlsbad State: NM Zip: 88220 Phone #: Fax #: Project Location: 32.09279, -103.89216										ANALYSIS REQUEST									
Relinquished By: <i>[Signature]</i> Date: 07-28-25 Time: 0802 Relinquished By: <i>[Signature]</i>										Received By: <i>[Signature]</i> Date: 07-28-25 Time: 0802 Received By: <i>[Signature]</i>										REMARKS: Incident: NAPP2505230590 Cost Center: 1081111001 Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID: 4100 Correction Factor: 4.03-5-DAY Bacteria (only) <input checked="" type="checkbox"/> Cool Intact <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Corrected Temp. °C									
Delivered By: (Circle One) Sample Condition <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes CHECKED BY: <i>[Signature]</i> (Initials)										Corrected Temp. °C Observed Temp. °C Sample Condition <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes CHECKED BY: <i>[Signature]</i> (Initials)										Corrected Temp. °C Observed Temp. °C Sample Condition <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes CHECKED BY: <i>[Signature]</i> (Initials)									
Relinquished By: <i>[Signature]</i> Date: 07-28-25 Time: 0802 Relinquished By: <i>[Signature]</i>										Received By: <i>[Signature]</i> Date: 07-28-25 Time: 0802 Received By: <i>[Signature]</i>										REMARKS: Incident: NAPP2505230590 Cost Center: 1081111001 Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID: 4100 Correction Factor: 4.03-5-DAY Bacteria (only) <input checked="" type="checkbox"/> Cool Intact <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Corrected Temp. °C									
Relinquished By: <i>[Signature]</i> Date: 07-28-25 Time: 0802 Relinquished By: <i>[Signature]</i>										Received By: <i>[Signature]</i> Date: 07-28-25 Time: 0802 Received By: <i>[Signature]</i>										REMARKS: Incident: NAPP2505230590 Cost Center: 1081111001 Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID: 4100 Correction Factor: 4.03-5-DAY Bacteria (only) <input checked="" type="checkbox"/> Cool Intact <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Corrected Temp. °C									
Relinquished By: <i>[Signature]</i> Date: 07-28-25 Time: 0802 Relinquished By: <i>[Signature]</i>										Received By: <i>[Signature]</i> Date: 07-28-25 Time: 0802 Received By: <i>[Signature]</i>										REMARKS: Incident: NAPP2505230590 Cost Center: 1081111001 Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID: 4100 Correction Factor: 4.03-5-DAY Bacteria (only) <input checked="" type="checkbox"/> Cool Intact <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Corrected Temp. °C									
Relinquished By: <i>[Signature]</i> Date: 07-28-25 Time: 0802 Relinquished By: <i>[Signature]</i>										Received By: <i>[Signature]</i> Date: 07-28-25 Time: 0802 Received By: <i>[Signature]</i>										REMARKS: Incident: NAPP2505230590 Cost Center: 1081111001 Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID: 4100 Correction Factor: 4.03-5-DAY Bacteria (only) <input checked="" type="checkbox"/> Cool Intact <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Corrected Temp. °C									
Relinquished By: <i>[Signature]</i> Date: 07-28-25 Time: 0802 Relinquished By: <i>[Signature]</i>										Received By: <i>[Signature]</i> Date: 07-28-25 Time: 0802 Received By: <i>[Signature]</i>										REMARKS: Incident: NAPP2505230590 Cost Center: 1081111001 Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID: 4100 Correction Factor: 4.03-5-DAY Bacteria (only) <input checked="" type="checkbox"/> Cool Intact <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Corrected Temp. °C									
Relinquished By: <i>[Signature]</i> Date: 07-28-25 Time: 0802 Relinquished By: <i>[Signature]</i>										Received By: <i>[Signature]</i> Date: 07-28-25 Time: 0802 Received By: <i>[Signature]</i>										REMARKS: Incident: NAPP2505230590 Cost Center: 1081111001 Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID: 4100 Correction Factor: 4.03-5-DAY Bacteria (only) <input checked="" type="checkbox"/> Cool Intact <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Corrected Temp. °C									
Relinquished By: <i>[Signature]</i> Date: 07-28-25 Time: 0802 Relinquished By: <i>[Signature]</i>										Received By: <i>[Signature]</i> Date: 07-28-25 Time: 0802 Received By: <i>[Signature]</i>										REMARKS: Incident: NAPP2505230590 Cost Center: 1081111001 Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID: 4100 Correction Factor: 4.03-5-DAY Bacteria (only) <input checked="" type="checkbox"/> Cool Intact <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Corrected Temp. °C									
Relinquished By: <i>[Signature]</i> Date: 07-28-25 Time: 0802 Relinquished By: <i>[Signature]</i>										Received By: <i>[Signature]</i> Date: 07-28-25 Time: 0802 Received By: <i>[Signature]</i>										REMARKS: Incident: NAPP2505230590 Cost Center: 1081111001 Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID: 4100 Correction Factor: 4.03-5-DAY Bacteria (only) <input checked="" type="checkbox"/> Cool Intact <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Corrected Temp. °C									
Relinquished By: <i>[Signature]</i> Date: 07-28-25 Time: 0802 Relinquished By: <i>[Signature]</i>										Received By: <i>[Signature]</i> Date: 07-28-25 Time: 0802 Received By: <i>[Signature]</i>										REMARKS: Incident: NAPP2505230590 Cost Center: 1081111001 Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID: 4100 Correction Factor: 4.03-5-DAY Bacteria (only) <input checked="" type="checkbox"/> Cool Intact <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Corrected Temp. °C									
Relinquished By: <i>[Signature]</i> Date: 07-28-25 Time: 0802 Relinquished By: <i>[Signature]</i>										Received By: <i>[Signature]</i> Date: 07-28-25 Time: 0802 Received By: <i>[Signature]</i>										REMARKS: Incident: NAPP2505230590 Cost Center: 1081111001 Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID: 4100 Correction Factor: 4.03-5-DAY Bacteria (only) <input checked="" type="checkbox"/> Cool Intact <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Corrected Temp. °C									
Relinquished By: <i>[Signature]</i> Date: 07-28-25 Time: 0802 Relinquished By: <i>[Signature]</i>										Received By: <i>[Signature]</i> Date:																			



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

March 17, 2025

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: PLU ROSS DRAW 33-25-30 USA BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/11/25 15:15.

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

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".

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:	03/11/2025	Sampling Date:	03/10/2025
Reported:	03/17/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: SS 10 0.5' (H251426-01)

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	03/12/2025	ND	1.90	94.9	2.00	0.195	
Toluene*	<0.050	0.050	03/12/2025	ND	2.18	109	2.00	0.816	
Ethylbenzene*	<0.050	0.050	03/12/2025	ND	2.18	109	2.00	1.18	
Total Xylenes*	<0.150	0.150	03/12/2025	ND	6.92	115	6.00	0.0521	
Total BTX	<0.300	0.300	03/12/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/12/2025	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2025	ND	212	106	200	1.36	
DRO >C10-C28*	34.4	10.0	03/12/2025	ND	195	97.4	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	03/12/2025	ND					

Surrogate: 1-Chlorooctane 86.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.9 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/11/2025	Sampling Date:	03/10/2025
Reported:	03/17/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: CS 01 0.5' (H251426-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2025	ND	1.90	94.9	2.00	0.195		
Toluene*	<0.050	0.050	03/12/2025	ND	2.18	109	2.00	0.816		
Ethylbenzene*	<0.050	0.050	03/12/2025	ND	2.18	109	2.00	1.18		
Total Xylenes*	<0.150	0.150	03/12/2025	ND	6.92	115	6.00	0.0521		
Total BTEx	<0.300	0.300	03/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1920	16.0	03/12/2025	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2025	ND	212	106	200	1.36	
DRO >C10-C28*	2970	10.0	03/12/2025	ND	195	97.4	200	1.51	
EXT DRO >C28-C36	550	10.0	03/12/2025	ND					

Surrogate: 1-Chlorooctane 118 % 44.4-145

Surrogate: 1-Chlorooctadecane 125 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/11/2025	Sampling Date:	03/10/2025
Reported:	03/17/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: CS 02 0.5' (H251426-03)

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	03/12/2025	ND	1.90	94.9	2.00	0.195		
Toluene*	<0.050	0.050	03/12/2025	ND	2.18	109	2.00	0.816		
Ethylbenzene*	<0.050	0.050	03/12/2025	ND	2.18	109	2.00	1.18		
Total Xylenes*	<0.150	0.150	03/12/2025	ND	6.92	115	6.00	0.0521		
Total BTEx	<0.300	0.300	03/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2600	16.0	03/12/2025	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2025	ND	212	106	200	1.36	
DRO >C10-C28*	3780	10.0	03/12/2025	ND	195	97.4	200	1.51	
EXT DRO >C28-C36	788	10.0	03/12/2025	ND					

Surrogate: 1-Chlorooctane 121 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.9 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/11/2025	Sampling Date:	03/10/2025
Reported:	03/17/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: CS 03 0.5' (H251426-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2025	ND	1.90	94.9	2.00	0.195		
Toluene*	<0.050	0.050	03/12/2025	ND	2.18	109	2.00	0.816		
Ethylbenzene*	<0.050	0.050	03/12/2025	ND	2.18	109	2.00	1.18		
Total Xylenes*	<0.150	0.150	03/12/2025	ND	6.92	115	6.00	0.0521		
Total BTEx	<0.300	0.300	03/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1540	16.0	03/12/2025	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2025	ND	212	106	200	1.36	
DRO >C10-C28*	2020	10.0	03/12/2025	ND	195	97.4	200	1.51	
EXT DRO >C28-C36	418	10.0	03/12/2025	ND					

Surrogate: 1-Chlorooctane 87.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 110 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/11/2025	Sampling Date:	03/10/2025
Reported:	03/17/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: CS 04 0.5' (H251426-05)

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	03/12/2025	ND	1.90	94.9	2.00	0.195		
Toluene*	<0.050	0.050	03/12/2025	ND	2.18	109	2.00	0.816		
Ethylbenzene*	<0.050	0.050	03/12/2025	ND	2.18	109	2.00	1.18		
Total Xylenes*	<0.150	0.150	03/12/2025	ND	6.92	115	6.00	0.0521		
Total BTEx	<0.300	0.300	03/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/12/2025	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2025	ND	212	106	200	1.36	
DRO >C10-C28*	77.0	10.0	03/12/2025	ND	195	97.4	200	1.51	
EXT DRO >C28-C36	22.6	10.0	03/12/2025	ND					

Surrogate: 1-Chlorooctane 67.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.5 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/11/2025	Sampling Date:	03/10/2025
Reported:	03/17/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: CS 05 0.5' (H251426-06)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2025	ND	1.90	94.9	2.00	0.195		
Toluene*	<0.050	0.050	03/12/2025	ND	2.18	109	2.00	0.816		
Ethylbenzene*	0.198	0.050	03/12/2025	ND	2.18	109	2.00	1.18	GC-NC1	
Total Xylenes*	0.626	0.150	03/12/2025	ND	6.92	115	6.00	0.0521	GC-NC1	
Total BTX	0.824	0.300	03/12/2025	ND					GC-NC1	

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2440	16.0	03/12/2025	ND	480	120	400	0.00		

TPH 8015M	mg/kg		Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	68.7	50.0	03/13/2025	ND	212	106	200	1.36	
DRO >C10-C28*	14400	50.0	03/13/2025	ND	195	97.4	200	1.51	
EXT DRO >C28-C36	1090	50.0	03/13/2025	ND					

Surrogate: 1-Chlorooctane 557 % 44.4-145

Surrogate: 1-Chlorooctadecane 574 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/11/2025	Sampling Date:	03/10/2025
Reported:	03/17/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: CS 06 0.5' (H251426-07)

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	03/12/2025	ND	1.90	94.9	2.00	0.195		
Toluene*	<0.050	0.050	03/12/2025	ND	2.18	109	2.00	0.816		
Ethylbenzene*	<0.050	0.050	03/12/2025	ND	2.18	109	2.00	1.18		
Total Xylenes*	<0.150	0.150	03/12/2025	ND	6.92	115	6.00	0.0521		
Total BTEX	<0.300	0.300	03/12/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4800	16.0	03/12/2025	ND	448	112	400	0.00	QM-07	

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	03/12/2025	ND	212	106	200	1.36	
DRO >C10-C28*	3220	10.0	03/12/2025	ND	195	97.4	200	1.51	
EXT DRO >C28-C36	527	10.0	03/12/2025	ND					

Surrogate: 1-Chlorooctane 170 % 44.4-145

Surrogate: 1-Chlorooctadecane 121 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/11/2025	Sampling Date:	03/10/2025
Reported:	03/17/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: CS 07 0.5' (H251426-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2025	ND	1.90	94.9	2.00	0.195		
Toluene*	<0.050	0.050	03/12/2025	ND	2.18	109	2.00	0.816		
Ethylbenzene*	<0.050	0.050	03/12/2025	ND	2.18	109	2.00	1.18		
Total Xylenes*	<0.150	0.150	03/12/2025	ND	6.92	115	6.00	0.0521		
Total BTEX	<0.300	0.300	03/12/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4080	16.0	03/12/2025	ND	448	112	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	03/12/2025	ND	212	106	200	1.36	
DRO >C10-C28*	4190	10.0	03/12/2025	ND	195	97.4	200	1.51	
EXT DRO >C28-C36	812	10.0	03/12/2025	ND					

Surrogate: 1-Chlorooctane 175 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/11/2025	Sampling Date:	03/10/2025
Reported:	03/17/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: CS 08 0.5' (H251426-09)

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	03/12/2025	ND	1.90	94.9	2.00	0.195		
Toluene*	<0.050	0.050	03/12/2025	ND	2.18	109	2.00	0.816		
Ethylbenzene*	<0.050	0.050	03/12/2025	ND	2.18	109	2.00	1.18		
Total Xylenes*	<0.150	0.150	03/12/2025	ND	6.92	115	6.00	0.0521		
Total BTEx	<0.300	0.300	03/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5730	16.0	03/12/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2025	ND	212	106	200	1.36	
DRO >C10-C28*	1790	10.0	03/12/2025	ND	195	97.4	200	1.51	
EXT DRO >C28-C36	370	10.0	03/12/2025	ND					

Surrogate: 1-Chlorooctane 73.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.8 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/11/2025	Sampling Date:	03/10/2025
Reported:	03/17/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: CS 09 0.5' (H251426-10)

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	03/12/2025	ND	1.90	94.9	2.00	0.195		
Toluene*	<0.050	0.050	03/12/2025	ND	2.18	109	2.00	0.816		
Ethylbenzene*	<0.050	0.050	03/12/2025	ND	2.18	109	2.00	1.18		
Total Xylenes*	<0.150	0.150	03/12/2025	ND	6.92	115	6.00	0.0521		
Total BTEx	<0.300	0.300	03/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/12/2025	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2025	ND	212	106	200	1.36	
DRO >C10-C28*	450	10.0	03/12/2025	ND	195	97.4	200	1.51	
EXT DRO >C28-C36	94.5	10.0	03/12/2025	ND					

Surrogate: 1-Chlorooctane 64.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 63.3 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/11/2025	Sampling Date:	03/10/2025
Reported:	03/17/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: CS 10 0.5' (H251426-11)

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	03/12/2025	ND	1.90	94.9	2.00	0.195		
Toluene*	<0.050	0.050	03/12/2025	ND	2.18	109	2.00	0.816		
Ethylbenzene*	<0.050	0.050	03/12/2025	ND	2.18	109	2.00	1.18		
Total Xylenes*	<0.150	0.150	03/12/2025	ND	6.92	115	6.00	0.0521		
Total BTEx	<0.300	0.300	03/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	992	16.0	03/12/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2025	ND	212	106	200	1.36	
DRO >C10-C28*	201	10.0	03/12/2025	ND	195	97.4	200	1.51	
EXT DRO >C28-C36	34.3	10.0	03/12/2025	ND					

Surrogate: 1-Chlorooctane 84.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.5 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/11/2025	Sampling Date:	03/10/2025
Reported:	03/17/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: CS 11 0.5' (H251426-12)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2025	ND	1.90	94.9	2.00	0.195	
Toluene*	<0.050	0.050	03/12/2025	ND	2.18	109	2.00	0.816	
Ethylbenzene*	0.890	0.050	03/12/2025	ND	2.18	109	2.00	1.18	GC-NC1
Total Xylenes*	3.15	0.150	03/12/2025	ND	6.92	115	6.00	0.0521	GC-NC1
Total BTX	4.04	0.300	03/12/2025	ND					GC-NC1

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20600	16.0	03/12/2025	ND	448	112	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*	307	10.0	03/12/2025	ND	212	106	200	1.36		
DRO >C10-C28*	7730	10.0	03/12/2025	ND	195	97.4	200	1.51		
EXT DRO >C28-C36	1180	10.0	03/12/2025	ND						

Surrogate: 1-Chlorooctane 376 % 44.4-145

Surrogate: 1-Chlorooctadecane 171 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/11/2025	Sampling Date:	03/10/2025
Reported:	03/17/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: CS 12 0.5' (H251426-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2025	ND	1.90	94.9	2.00	0.195		
Toluene*	<0.050	0.050	03/12/2025	ND	2.18	109	2.00	0.816		
Ethylbenzene*	<0.050	0.050	03/12/2025	ND	2.18	109	2.00	1.18		
Total Xylenes*	<0.150	0.150	03/12/2025	ND	6.92	115	6.00	0.0521		
Total BTEX	<0.300	0.300	03/12/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1730	16.0	03/12/2025	ND	448	112	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*	29.9	10.0	03/12/2025	ND	212	106	200	1.36	
DRO >C10-C28*	997	10.0	03/12/2025	ND	195	97.4	200	1.51	
EXT DRO >C28-C36	160	10.0	03/12/2025	ND					

Surrogate: 1-Chlorooctane 96.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.2 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/11/2025	Sampling Date:	03/10/2025
Reported:	03/17/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: CS 13 0.5' (H251426-14)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2025	ND	1.90	94.9	2.00	0.195	
Toluene*	0.061	0.050	03/12/2025	ND	2.18	109	2.00	0.816	GC-NC1
Ethylbenzene*	0.134	0.050	03/12/2025	ND	2.18	109	2.00	1.18	GC-NC1
Total Xylenes*	0.972	0.150	03/12/2025	ND	6.92	115	6.00	0.0521	GC-NC1
Total BTX	1.17	0.300	03/12/2025	ND					GC-NC1

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1490	16.0	03/12/2025	ND	448	112	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*	67.9	10.0	03/12/2025	ND	212	106	200	1.36	
DRO >C10-C28*	2540	10.0	03/12/2025	ND	195	97.4	200	1.51	
EXT DRO >C28-C36	357	10.0	03/12/2025	ND					

Surrogate: 1-Chlorooctane 140 % 44.4-145

Surrogate: 1-Chlorooctadecane 106 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/11/2025	Sampling Date:	03/10/2025
Reported:	03/17/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: CS 14 0.5' (H251426-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2025	ND	1.90	94.9	2.00	0.195		
Toluene*	<0.050	0.050	03/12/2025	ND	2.18	109	2.00	0.816		
Ethylbenzene*	<0.050	0.050	03/12/2025	ND	2.18	109	2.00	1.18		
Total Xylenes*	<0.150	0.150	03/12/2025	ND	6.92	115	6.00	0.0521		
Total BTEx	<0.300	0.300	03/12/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/12/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2025	ND	212	106	200	1.36	
DRO >C10-C28*	41.9	10.0	03/12/2025	ND	195	97.4	200	1.51	
EXT DRO >C28-C36	19.3	10.0	03/12/2025	ND					

Surrogate: 1-Chlorooctane 67.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 63.8 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/11/2025	Sampling Date:	03/10/2025
Reported:	03/17/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: CS 15 0.5' (H251426-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2025	ND	1.90	94.9	2.00	0.195		
Toluene*	<0.050	0.050	03/12/2025	ND	2.18	109	2.00	0.816		
Ethylbenzene*	<0.050	0.050	03/12/2025	ND	2.18	109	2.00	1.18		
Total Xylenes*	<0.150	0.150	03/12/2025	ND	6.92	115	6.00	0.0521		
Total BTEX	<0.300	0.300	03/12/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/12/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2025	ND	212	106	200	1.36	
DRO >C10-C28*	<10.0	10.0	03/12/2025	ND	195	97.4	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	03/12/2025	ND					

Surrogate: 1-Chlorooctane 75.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.6 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/11/2025	Sampling Date:	03/10/2025
Reported:	03/17/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: CS 16 0.5' (H251426-17)

BTX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2025	ND	1.90	94.9	2.00	0.195	
Toluene*	0.113	0.050	03/12/2025	ND	2.18	109	2.00	0.816	GC-NC1
Ethylbenzene*	1.56	0.050	03/12/2025	ND	2.18	109	2.00	1.18	GC-NC1
Total Xylenes*	8.79	0.150	03/12/2025	ND	6.92	115	6.00	0.0521	GC-NC1
Total BTX	10.5	0.300	03/12/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 139 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5600	16.0	03/12/2025	ND	448	112	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*	672	10.0	03/12/2025	ND	212	106	200	1.36	
DRO >C10-C28*	9410	10.0	03/12/2025	ND	195	97.4	200	1.51	
EXT DRO >C28-C36	1010	10.0	03/12/2025	ND					

Surrogate: 1-Chlorooctane 504 % 44.4-145

Surrogate: 1-Chlorooctadecane 238 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/11/2025	Sampling Date:	03/10/2025
Reported:	03/17/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: CS 17 0.5' (H251426-18)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.500	0.500	03/12/2025	ND	1.90	94.9	2.00	0.195		
Toluene*	1.31	0.500	03/12/2025	ND	2.18	109	2.00	0.816	GC-NC1	
Ethylbenzene*	10.8	0.500	03/12/2025	ND	2.18	109	2.00	1.18	GC-NC1	
Total Xylenes*	43.8	1.50	03/12/2025	ND	6.92	115	6.00	0.0521	GC-NC1	
Total BTX	55.9	3.00	03/12/2025	ND					GC-NC1	

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4800	16.0	03/12/2025	ND	448	112	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*	1110	10.0	03/12/2025	ND	212	106	200	1.36	
DRO >C10-C28*	9630	10.0	03/12/2025	ND	195	97.4	200	1.51	
EXT DRO >C28-C36	1380	10.0	03/12/2025	ND					

Surrogate: 1-Chlorooctane 537 % 44.4-145

Surrogate: 1-Chlorooctadecane 190 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/11/2025	Sampling Date:	03/10/2025
Reported:	03/17/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: CS 18 0.5' (H251426-19)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.500	0.500	03/12/2025	ND	1.90	94.9	2.00	0.195		
Toluene*	2.57	0.500	03/12/2025	ND	2.18	109	2.00	0.816	GC-NC1	
Ethylbenzene*	15.6	0.500	03/12/2025	ND	2.18	109	2.00	1.18	GC-NC1	
Total Xylenes*	57.3	1.50	03/12/2025	ND	6.92	115	6.00	0.0521	GC-NC1	
Total BTX	75.5	3.00	03/12/2025	ND					GC-NC1	

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4160	16.0	03/12/2025	ND	448	112	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*	1600	10.0	03/12/2025	ND	212	106	200	1.36	
DRO >C10-C28*	7940	10.0	03/12/2025	ND	195	97.4	200	1.51	
EXT DRO >C28-C36	1020	10.0	03/12/2025	ND					

Surrogate: 1-Chlorooctane 444 % 44.4-145

Surrogate: 1-Chlorooctadecane 149 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/11/2025	Sampling Date:	03/10/2025
Reported:	03/17/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: CS 19 0.5' (H251426-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2025	ND	1.90	94.9	2.00	0.195		
Toluene*	<0.050	0.050	03/12/2025	ND	2.18	109	2.00	0.816		
Ethylbenzene*	<0.050	0.050	03/12/2025	ND	2.18	109	2.00	1.18		
Total Xylenes*	0.335	0.150	03/12/2025	ND	6.92	115	6.00	0.0521	GC-NC1	
Total BTEX	0.335	0.300	03/12/2025	ND					GC-NC1	

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8240	16.0	03/12/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/12/2025	ND	207	104	200	4.72		
DRO >C10-C28*	480	10.0	03/12/2025	ND	190	95.1	200	7.28		
EXT DRO >C28-C36	82.0	10.0	03/12/2025	ND						

Surrogate: 1-Chlorooctane 89.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.7 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/11/2025	Sampling Date:	03/10/2025
Reported:	03/17/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: CS 20 0.5' (H251426-21)

BTEx 8021B		mg/kg	Analyzed By: JH							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2025	ND	1.95	97.4	2.00	2.42		
Toluene*	0.064	0.050	03/12/2025	ND	2.05	103	2.00	0.705	GC-NC1	
Ethylbenzene*	0.068	0.050	03/12/2025	ND	2.26	113	2.00	1.82	GC-NC1	
Total Xylenes*	0.992	0.150	03/12/2025	ND	6.89	115	6.00	2.10	GC-NC1	
Total BTEX	1.12	0.300	03/12/2025	ND					GC-NC1	

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

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10000	16.0	03/12/2025	ND	448	112	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*	105	10.0	03/12/2025	ND	212	106	200	1.84	
DRO >C10-C28*	8450	10.0	03/12/2025	ND	203	102	200	0.912	
EXT DRO >C28-C36	1260	10.0	03/12/2025	ND					

Surrogate: 1-Chlorooctane 370 % 44.4-145

Surrogate: 1-Chlorooctadecane 338 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/11/2025	Sampling Date:	03/10/2025
Reported:	03/17/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: CS 21 0.5' (H251426-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2025	ND	1.95	97.4	2.00	2.42		
Toluene*	<0.050	0.050	03/12/2025	ND	2.05	103	2.00	0.705		
Ethylbenzene*	<0.050	0.050	03/12/2025	ND	2.26	113	2.00	1.82		
Total Xylenes*	0.171	0.150	03/12/2025	ND	6.89	115	6.00	2.10		
Total BTEX	<0.300	0.300	03/12/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3120	16.0	03/12/2025	ND	448	112	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	03/12/2025	ND	212	106	200	1.84	
DRO >C10-C28*	4170	10.0	03/12/2025	ND	203	102	200	0.912	
EXT DRO >C28-C36	825	10.0	03/12/2025	ND					

Surrogate: 1-Chlorooctane 83.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 196 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/11/2025	Sampling Date:	03/10/2025
Reported:	03/17/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: CS 22 0.5' (H251426-23)

BTX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2025	ND	1.95	97.4	2.00	2.42	
Toluene*	0.065	0.050	03/12/2025	ND	2.05	103	2.00	0.705	GC-NC1
Ethylbenzene*	0.208	0.050	03/12/2025	ND	2.26	113	2.00	1.82	GC-NC1
Total Xylenes*	4.23	0.150	03/12/2025	ND	6.89	115	6.00	2.10	GC-NC1
Total BTX	4.50	0.300	03/12/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 246 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4160	16.0	03/12/2025	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	540	50.0	03/13/2025	ND	212	106	200	1.84	
DRO >C10-C28*	12100	50.0	03/13/2025	ND	203	102	200	0.912	
EXT DRO >C28-C36	1790	50.0	03/13/2025	ND					

Surrogate: 1-Chlorooctane 536 % 44.4-145

Surrogate: 1-Chlorooctadecane 345 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/11/2025	Sampling Date:	03/10/2025
Reported:	03/17/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: CS 23 0.5' (H251426-24)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2025	ND	1.95	97.4	2.00	2.42	
Toluene*	0.094	0.050	03/12/2025	ND	2.05	103	2.00	0.705	GC-NC1
Ethylbenzene*	0.106	0.050	03/12/2025	ND	2.26	113	2.00	1.82	GC-NC1
Total Xylenes*	1.68	0.150	03/12/2025	ND	6.89	115	6.00	2.10	GC-NC1
Total BTEX	1.88	0.300	03/12/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 131 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5120	16.0	03/12/2025	ND	448	112	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*	44.7	10.0	03/12/2025	ND	212	106	200	1.84	
DRO >C10-C28*	2330	10.0	03/12/2025	ND	203	102	200	0.912	
EXT DRO >C28-C36	364	10.0	03/12/2025	ND					

Surrogate: 1-Chlorooctane 115 % 44.4-145

Surrogate: 1-Chlorooctadecane 137 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/11/2025	Sampling Date:	03/10/2025
Reported:	03/17/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: CS 24 0.5' (H251426-25)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	03/12/2025	ND	1.95	97.4	2.00	2.42	
Toluene*	4.22	0.500	03/12/2025	ND	2.05	103	2.00	0.705	GC-NC1
Ethylbenzene*	4.93	0.500	03/12/2025	ND	2.26	113	2.00	1.82	GC-NC1
Total Xylenes*	65.4	1.50	03/12/2025	ND	6.89	115	6.00	2.10	GC-NC1
Total BTEX	74.6	3.00	03/12/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 145 % 71.5-134

Chloride, SM4500CI-B			mg/kg					Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7730	16.0	03/12/2025	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1680	50.0	03/13/2025	ND	212	106	200	1.84	
DRO >C10-C28*	15200	50.0	03/13/2025	ND	203	102	200	0.912	
EXT DRO >C28-C36	2170	50.0	03/13/2025	ND					

Surrogate: 1-Chlorooctane 701 % 44.4-145

Surrogate: 1-Chlorooctadecane 404 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/11/2025	Sampling Date:	03/10/2025
Reported:	03/17/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: CS 25 0.5' (H251426-26)

BTX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2025	ND	1.95	97.4	2.00	2.42	
Toluene*	0.194	0.050	03/12/2025	ND	2.05	103	2.00	0.705	GC-NC1
Ethylbenzene*	0.416	0.050	03/12/2025	ND	2.26	113	2.00	1.82	GC-NC1
Total Xylenes*	6.92	0.150	03/12/2025	ND	6.89	115	6.00	2.10	GC-NC1
Total BTX	7.53	0.300	03/12/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 196 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14200	16.0	03/12/2025	ND	448	112	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*	327	10.0	03/12/2025	ND	212	106	200	1.84	
DRO >C10-C28*	8750	10.0	03/12/2025	ND	203	102	200	0.912	
EXT DRO >C28-C36	1290	10.0	03/12/2025	ND					

Surrogate: 1-Chlorooctane 473 % 44.4-145

Surrogate: 1-Chlorooctadecane 337 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
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", 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

Company Name: Ensolum, LLC				BILL TO				ANALYSIS REQUEST									
Project Manager: Tracy Hilliard				P.O. #:													
Address: 3122 National Parks Hwy				Company: XTO Energy Inc.													
City: Carlsbad	State: NM	zip: 88220	Attn: Colton Brown														
Phone #: 337 257-8307	Fax #:		Address: 3104 E. Green St.														
Project #: 03C1558615	Project Owner: XTO			City: Carlsbad													
Project Name: PLU Ross Ranch 33-25-30 USA Battery			State: NM				zip: 88220										
Project Location:				Phone #:													
Sampler Name: Connor Whitman				Fax #:													
FOR LAB USE ONLY																	
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G) GRAB OR (C) OMP. # CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	BTEX	TPH	CHLORIDE	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :								ACID/BASE:
H251426	S510	0.5	G									3-10-25	1225				
1	C501		C										1318				
2	C502												1321				
3	C503												1325				
4	C504												1330				
5	C505												1332				
6	C506												1334				
7	C507												1336				
8	C508												1337				
9	C509												1337				
10	C509												1337				

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 service. All claims excluding those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analysis. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: [Signature]		Date: 3-11-25	Received By: [Signature]	Date: 3-11-25
Relinquished By: [Signature]		Date: 3-11-25	Received By: [Signature]	Date: 3-11-25

Delivered By: (Circle One) Observed Temp.: 1.8 °C Sample Condition Cool Intact ☒ Yes ☐ No CHECKED BY: (Initials) [Signature]

Sampler - UPS - Bus - Other: Corrected Temp.: 2.1 °C ☐ Yes ☒ No

REMARKS: Cost Center: 108111001 Incident ID: nAPP2505230590

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

All Results are emailed. Please provide Email address: thilliard@ensolum.com, TMorrissey@ensolum.com, kthomason@ensolum.com

Turnaround Time: Standard ☒ Rush ☐ Bacteria (only) ☐ Sample Condition Cool Intact ☐ Yes ☐ No Thermometer ID: A13 #14036 Correction Factor: -0.3°C +0.3°C ☐ Yes ☒ No Corrected Temp.: 2.4 °C



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC Project Manager: Tracy Hillard Address: 3122 National Parks Hwy City: Carlsbad Phone #: 337 257-8307 Project #: 03C1558615 Project Name: PLU Ross Ranch 33-25-30 USA Battery Project Location: Sampler Name: Connor Whitman				P.O. #: Company: XTO Energy Inc. Attn: Colton Brown Address: 3104 E. Green St. City: Carlsbad State: NM Zip: 88220 Phone #: Fax #:				BILL TO				ANALYSIS REQUEST			
FOR LAB USE ONLY															
Lab I.D. H257426		Sample I.D.		Sample Depth (feet) 0.5		(G)RAB OR (C)OMP.		MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		PRESERV. ACID/BASE: ICE / COOL OTHER:		SAMPLING			
						# CONTAINERS 1									
11		CS10		0.5		C		I		3-10-25		1341			
12		CS11										1344			
13		CS12										1346			
14		CS13										1348			
15		CS14										1350			
16		CS15										1355			
17		CS16										1400			
18		CS17										1402			
19		CS18										1404			
20		CS19										1406			

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 service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal regardless of whether such claim is based upon any of the above stated vendors or otherwise.

Relinquished By: [Signature]		Date: 3-11-25 Time: 1515		Received By: [Signature]		Date: 3-11-25 Time: 1515	
Relinquished By: [Signature]		Date: 3-11-25 Time: 1515		Received By: [Signature]		Date: 3-11-25 Time: 1515	

Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp.: °C 1.8		Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		CHECKED BY: (Initials)	
Remarks:		Turnaround Time:		Standard <input checked="" type="checkbox"/> RUSH <input type="checkbox"/> Thermometer ID #13 #1403 Correction Factor -0.5C		Bacteria (only) Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

† Cardinal cannot accept verbal changes. Please email changes to cello@ensolum.com or 310.311.3113



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

3043

Company Name:	Ensolum, LLC	P.O. #:		ANALYSIS REQUEST
Project Manager:	Tracy Hillard	Company:	XTO Energy Inc.	
Address:	3122 National Parks Hwy	Attn:	Colton Brown	
City:	Carlsbad	Address:	3104 E. Green St.	
Phone #:	337 257-8307	City:	Carlsbad	
Fax #:		State:	NM Zip: 88220	
Project #:	03C1558615	Project Owner:	XTO	
Project Name:	PLU Ross Ranch 33-25-30 USA Battery	Phone #:		
Project Location:		Fax #:		
Sampler Name:	Connor Whitman			

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX			DATE	TIME	PRESERV.			SAMPLING			BTEX			TPH			CHLORIDE		
					GROUNDWATER	WASTEWATER	SOIL			ACID/BASE:	ICE / COOL	OTHER :												
4251424	CS20	0.5	C	1				3-10-25	1408															
22	CS21								1410															
23	CS22								1412															
24	CS23								1414															
25	CS24								1416															
26	CS25								1418															

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

Relinquished By:	Date: 3-11-25	Received By:	Thillard@ensolum.com	Verbal Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:	
Time: 1515	Date: 3-11-25	Received By:	Thillard@ensolum.com	All Results are emailed. Please provide Email address:			
Time:				REMARKS: Cost Center: 1081111001		Incident ID: nAPP2505230590	
Delivered By: (Circle One)	Observed Temp. °C: 1.8	Sample Condition	CHECKED BY: (initials)	Turnaround Time: Standard		Bacteria (only) Sample Condition	
Sampler - UPS - Bus - Other:	Corrected Temp. °C: 2.1	Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID #13 #140		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	
				Correction Factor: 0.3°C		Observed Temp. °C	
						Corrected Temp. °C	

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



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

April 02, 2025

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: PLU ROSS DRAW 33-25-30 USA BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/31/25 12:15.

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

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:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: CS 26 0.5' (H251877-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/01/2025	ND	2.16	108	2.00	5.67	
Toluene*	<0.050	0.050	04/01/2025	ND	2.21	111	2.00	10.1	
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	2.46	123	2.00	9.68	
Total Xylenes*	<0.150	0.150	04/01/2025	ND	7.46	124	6.00	8.78	
Total BTEX	<0.300	0.300	04/01/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	04/01/2025	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2025	ND	208	104	200	0.642	
DRO >C10-C28*	57.9	10.0	03/31/2025	ND	189	94.7	200	0.781	
EXT DRO >C28-C36	20.9	10.0	03/31/2025	ND					

Surrogate: 1-Chlorooctane 67.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 60.7 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: CS 27 0.5' (H251877-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/01/2025	ND	2.16	108	2.00	5.67	
Toluene*	<0.050	0.050	04/01/2025	ND	2.21	111	2.00	10.1	
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	2.46	123	2.00	9.68	
Total Xylenes*	<0.150	0.150	04/01/2025	ND	7.46	124	6.00	8.78	
Total BTEX	<0.300	0.300	04/01/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	04/01/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2025	ND	208	104	200	0.642	
DRO >C10-C28*	125	10.0	03/31/2025	ND	189	94.7	200	0.781	
EXT DRO >C28-C36	51.6	10.0	03/31/2025	ND					

Surrogate: 1-Chlorooctane 85.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.6 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: CS 28 0.5' (H251877-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2025	ND	2.16	108	2.00	5.67		
Toluene*	<0.050	0.050	04/01/2025	ND	2.21	111	2.00	10.1		
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	2.46	123	2.00	9.68		
Total Xylenes*	<0.150	0.150	04/01/2025	ND	7.46	124	6.00	8.78		
Total BTEx	<0.300	0.300	04/01/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	04/01/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2025	ND	208	104	200	0.642	
DRO >C10-C28*	120	10.0	03/31/2025	ND	189	94.7	200	0.781	
EXT DRO >C28-C36	36.7	10.0	03/31/2025	ND					

Surrogate: 1-Chlorooctane 95.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.0 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: CS 29 0.5' (H251877-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2025	ND	2.16	108	2.00	5.67		
Toluene*	<0.050	0.050	04/01/2025	ND	2.21	111	2.00	10.1		
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	2.46	123	2.00	9.68		
Total Xylenes*	<0.150	0.150	04/01/2025	ND	7.46	124	6.00	8.78		
Total BTEX	<0.300	0.300	04/01/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	04/01/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2025	ND	208	104	200	0.642	
DRO >C10-C28*	97.4	10.0	03/31/2025	ND	189	94.7	200	0.781	
EXT DRO >C28-C36	18.2	10.0	03/31/2025	ND					

Surrogate: 1-Chlorooctane 91.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.5 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: CS 30 0.5' (H251877-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2025	ND	2.16	108	2.00	5.67		
Toluene*	<0.050	0.050	04/01/2025	ND	2.21	111	2.00	10.1		
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	2.46	123	2.00	9.68		
Total Xylenes*	<0.150	0.150	04/01/2025	ND	7.46	124	6.00	8.78		
Total BTEX	<0.300	0.300	04/01/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	04/01/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2025	ND	208	104	200	0.642	
DRO >C10-C28*	21.1	10.0	03/31/2025	ND	189	94.7	200	0.781	
EXT DRO >C28-C36	<10.0	10.0	03/31/2025	ND					

Surrogate: 1-Chlorooctane 97.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.4 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: CS 31 0.5' (H251877-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2025	ND	2.16	108	2.00	5.67		
Toluene*	<0.050	0.050	04/01/2025	ND	2.21	111	2.00	10.1		
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	2.46	123	2.00	9.68		
Total Xylenes*	<0.150	0.150	04/01/2025	ND	7.46	124	6.00	8.78		
Total BTEX	<0.300	0.300	04/01/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	04/01/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2025	ND	208	104	200	0.642	
DRO >C10-C28*	36.2	10.0	03/31/2025	ND	189	94.7	200	0.781	
EXT DRO >C28-C36	<10.0	10.0	03/31/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.7 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: CS 32 0.5' (H251877-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2025	ND	2.16	108	2.00	5.67		
Toluene*	<0.050	0.050	04/01/2025	ND	2.21	111	2.00	10.1		
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	2.46	123	2.00	9.68		
Total Xylenes*	<0.150	0.150	04/01/2025	ND	7.46	124	6.00	8.78		
Total BTEX	<0.300	0.300	04/01/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	04/01/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2025	ND	208	104	200	0.642	
DRO >C10-C28*	22.9	10.0	03/31/2025	ND	189	94.7	200	0.781	
EXT DRO >C28-C36	<10.0	10.0	03/31/2025	ND					

Surrogate: 1-Chlorooctane 85.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.7 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: CS 33 0.5' (H251877-08)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/01/2025	ND	1.96	97.9	2.00	3.48	
Toluene*	<0.050	0.050	04/01/2025	ND	1.96	98.2	2.00	3.45	
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	1.95	97.3	2.00	3.90	
Total Xylenes*	0.886	0.150	04/01/2025	ND	6.06	101	6.00	2.87	
Total BTEX	0.886	0.300	04/01/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 152 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1600	16.0	04/01/2025	ND	448	112	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*	130	10.0	03/31/2025	ND	208	104	200	0.642	
DRO >C10-C28*	2730	10.0	03/31/2025	ND	189	94.7	200	0.781	
EXT DRO >C28-C36	375	10.0	03/31/2025	ND					

Surrogate: 1-Chlorooctane 119 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.0 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: CS 34 0.5' (H251877-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2025	ND	1.96	97.9	2.00	3.48		
Toluene*	0.088	0.050	04/01/2025	ND	1.96	98.2	2.00	3.45		
Ethylbenzene*	0.073	0.050	04/01/2025	ND	1.95	97.3	2.00	3.90		
Total Xylenes*	2.27	0.150	04/01/2025	ND	6.06	101	6.00	2.87		
Total BTEx	2.43	0.300	04/01/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 129 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1180	16.0	04/01/2025	ND	448	112	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*	61.0	10.0	03/31/2025	ND	208	104	200	0.642	
DRO >C10-C28*	1570	10.0	03/31/2025	ND	189	94.7	200	0.781	
EXT DRO >C28-C36	269	10.0	03/31/2025	ND					

Surrogate: 1-Chlorooctane 79.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 67.0 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: FS 01 0.5' (H251877-10)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2025	ND	1.96	97.9	2.00	3.48		
Toluene*	<0.050	0.050	04/01/2025	ND	1.96	98.2	2.00	3.45		
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	1.95	97.3	2.00	3.90		
Total Xylenes*	<0.150	0.150	04/01/2025	ND	6.06	101	6.00	2.87		
Total BTX	<0.300	0.300	04/01/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1170	16.0	04/01/2025	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2025	ND	208	104	200	0.642	
DRO >C10-C28*	153	10.0	03/31/2025	ND	189	94.7	200	0.781	
EXT DRO >C28-C36	17.8	10.0	03/31/2025	ND					

Surrogate: 1-Chlorooctane 79.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.5 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: FS 02 0.5' (H251877-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2025	ND	1.96	97.9	2.00	3.48		
Toluene*	<0.050	0.050	04/01/2025	ND	1.96	98.2	2.00	3.45		
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	1.95	97.3	2.00	3.90		
Total Xylenes*	<0.150	0.150	04/01/2025	ND	6.06	101	6.00	2.87		
Total BTEX	<0.300	0.300	04/01/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1760	16.0	04/01/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2025	ND	208	104	200	0.642	
DRO >C10-C28*	19.6	10.0	03/31/2025	ND	189	94.7	200	0.781	
EXT DRO >C28-C36	<10.0	10.0	03/31/2025	ND					

Surrogate: 1-Chlorooctane 95.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.5 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: FS 03 0.5' (H251877-12)

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	04/01/2025	ND	1.96	97.9	2.00	3.48		
Toluene*	<0.050	0.050	04/01/2025	ND	1.96	98.2	2.00	3.45		
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	1.95	97.3	2.00	3.90		
Total Xylenes*	<0.150	0.150	04/01/2025	ND	6.06	101	6.00	2.87		
Total BTX	<0.300	0.300	04/01/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2160	16.0	04/01/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2025	ND	208	104	200	0.642	
DRO >C10-C28*	234	10.0	03/31/2025	ND	189	94.7	200	0.781	
EXT DRO >C28-C36	17.3	10.0	03/31/2025	ND					

Surrogate: 1-Chlorooctane 76.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.6 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: FS 04 0.5' (H251877-13)

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	04/01/2025	ND	1.96	97.9	2.00	3.48		
Toluene*	<0.050	0.050	04/01/2025	ND	1.96	98.2	2.00	3.45		
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	1.95	97.3	2.00	3.90		
Total Xylenes*	<0.150	0.150	04/01/2025	ND	6.06	101	6.00	2.87		
Total BTEX	<0.300	0.300	04/01/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	816	16.0	04/01/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2025	ND	208	104	200	0.642	
DRO >C10-C28*	12.1	10.0	03/31/2025	ND	189	94.7	200	0.781	
EXT DRO >C28-C36	<10.0	10.0	03/31/2025	ND					

Surrogate: 1-Chlorooctane 76.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.5 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: FS 05 0.5' (H251877-14)

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	04/01/2025	ND	1.96	97.9	2.00	3.48		
Toluene*	<0.050	0.050	04/01/2025	ND	1.96	98.2	2.00	3.45		
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	1.95	97.3	2.00	3.90		
Total Xylenes*	<0.150	0.150	04/01/2025	ND	6.06	101	6.00	2.87		
Total BTX	<0.300	0.300	04/01/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	04/01/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2025	ND	208	104	200	0.642	
DRO >C10-C28*	<10.0	10.0	03/31/2025	ND	189	94.7	200	0.781	
EXT DRO >C28-C36	<10.0	10.0	03/31/2025	ND					

Surrogate: 1-Chlorooctane 91.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.5 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: FS 06 0.5' (H251877-15)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2025	ND	1.96	97.9	2.00	3.48		
Toluene*	<0.050	0.050	04/01/2025	ND	1.96	98.2	2.00	3.45		
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	1.95	97.3	2.00	3.90		
Total Xylenes*	<0.150	0.150	04/01/2025	ND	6.06	101	6.00	2.87		
Total BTX	<0.300	0.300	04/01/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1300	16.0	04/01/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2025	ND	208	104	200	0.642	
DRO >C10-C28*	197	10.0	03/31/2025	ND	189	94.7	200	0.781	
EXT DRO >C28-C36	24.6	10.0	03/31/2025	ND					

Surrogate: 1-Chlorooctane 87.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.0 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: FS 07 0.5' (H251877-16)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2025	ND	1.96	97.9	2.00	3.48		
Toluene*	<0.050	0.050	04/01/2025	ND	1.96	98.2	2.00	3.45		
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	1.95	97.3	2.00	3.90		
Total Xylenes*	<0.150	0.150	04/01/2025	ND	6.06	101	6.00	2.87		
Total BTX	<0.300	0.300	04/01/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6000	16.0	04/01/2025	ND	448	112	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	04/01/2025	ND	208	104	200	0.642	
DRO >C10-C28*	223	10.0	04/01/2025	ND	189	94.7	200	0.781	
EXT DRO >C28-C36	24.3	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 84.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.2 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: FS 08 0.5' (H251877-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2025	ND	1.96	97.9	2.00	3.48		
Toluene*	<0.050	0.050	04/01/2025	ND	1.96	98.2	2.00	3.45		
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	1.95	97.3	2.00	3.90		
Total Xylenes*	<0.150	0.150	04/01/2025	ND	6.06	101	6.00	2.87		
Total BTEX	<0.300	0.300	04/01/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4480	16.0	04/01/2025	ND	448	112	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	04/01/2025	ND	208	104	200	0.642	
DRO >C10-C28*	11.2	10.0	04/01/2025	ND	189	94.7	200	0.781	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 83.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.1 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: FS 09 0.5' (H251877-18)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2025	ND	1.96	97.9	2.00	3.48		
Toluene*	<0.050	0.050	04/01/2025	ND	1.96	98.2	2.00	3.45		
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	1.95	97.3	2.00	3.90		
Total Xylenes*	<0.150	0.150	04/01/2025	ND	6.06	101	6.00	2.87		
Total BTX	<0.300	0.300	04/01/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	04/01/2025	ND	448	112	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	04/01/2025	ND	208	104	200	0.642	
DRO >C10-C28*	<10.0	10.0	04/01/2025	ND	189	94.7	200	0.781	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 84.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.3 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: FS 10 0.5' (H251877-19)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2025	ND	1.96	97.9	2.00	3.48		
Toluene*	<0.050	0.050	04/01/2025	ND	1.96	98.2	2.00	3.45		
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	1.95	97.3	2.00	3.90		
Total Xylenes*	<0.150	0.150	04/01/2025	ND	6.06	101	6.00	2.87		
Total BTX	<0.300	0.300	04/01/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/01/2025	ND	448	112	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	04/01/2025	ND	217	109	200	5.05	
DRO >C10-C28*	<10.0	10.0	04/01/2025	ND	209	105	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 73.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.8 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: FS 18 0.5' (H251877-20)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2025	ND	1.96	97.9	2.00	3.48		
Toluene*	<0.050	0.050	04/01/2025	ND	1.96	98.2	2.00	3.45		
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	1.95	97.3	2.00	3.90		
Total Xylenes*	<0.150	0.150	04/01/2025	ND	6.06	101	6.00	2.87		
Total BTX	<0.300	0.300	04/01/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1570	16.0	04/01/2025	ND	448	112	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	04/01/2025	ND	217	109	200	5.05	
DRO >C10-C28*	32.1	10.0	04/01/2025	ND	209	105	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 80.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.5 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: FS 19 0.5' (H251877-21)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2025	ND	1.96	97.9	2.00	3.48		
Toluene*	<0.050	0.050	04/01/2025	ND	1.96	98.2	2.00	3.45		
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	1.95	97.3	2.00	3.90		
Total Xylenes*	<0.150	0.150	04/01/2025	ND	6.06	101	6.00	2.87		
Total BTEX	<0.300	0.300	04/01/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4800	16.0	04/01/2025	ND	416	104	400	3.77	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/01/2025	ND	217	109	200	5.05	
DRO >C10-C28*	14.3	10.0	04/01/2025	ND	209	105	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 78.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.1 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: FS 20 0.5' (H251877-22)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2025	ND	1.96	97.9	2.00	3.48		
Toluene*	<0.050	0.050	04/01/2025	ND	1.96	98.2	2.00	3.45		
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	1.95	97.3	2.00	3.90		
Total Xylenes*	<0.150	0.150	04/01/2025	ND	6.06	101	6.00	2.87		
Total BTEX	<0.300	0.300	04/01/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5840	16.0	04/01/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/01/2025	ND	217	109	200	5.05	
DRO >C10-C28*	226	10.0	04/01/2025	ND	209	105	200	3.30	
EXT DRO >C28-C36	11.7	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 88.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.9 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: FS 21 0.5' (H251877-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2025	ND	1.96	97.9	2.00	3.48		
Toluene*	<0.050	0.050	04/01/2025	ND	1.96	98.2	2.00	3.45		
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	1.95	97.3	2.00	3.90		
Total Xylenes*	<0.150	0.150	04/01/2025	ND	6.06	101	6.00	2.87		
Total BTEX	<0.300	0.300	04/01/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2160	16.0	04/01/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/01/2025	ND	217	109	200	5.05	
DRO >C10-C28*	29.3	10.0	04/01/2025	ND	209	105	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 89.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.3 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: FS 22 0.5' (H251877-24)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2025	ND	1.96	97.9	2.00	3.48		
Toluene*	<0.050	0.050	04/01/2025	ND	1.96	98.2	2.00	3.45		
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	1.95	97.3	2.00	3.90		
Total Xylenes*	<0.150	0.150	04/01/2025	ND	6.06	101	6.00	2.87		
Total BTX	<0.300	0.300	04/01/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/01/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/01/2025	ND	217	109	200	5.05	
DRO >C10-C28*	<10.0	10.0	04/01/2025	ND	209	105	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 78.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.4 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: FS 23 0.5' (H251877-25)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2025	ND	1.96	97.9	2.00	3.48		
Toluene*	<0.050	0.050	04/01/2025	ND	1.96	98.2	2.00	3.45		
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	1.95	97.3	2.00	3.90		
Total Xylenes*	<0.150	0.150	04/01/2025	ND	6.06	101	6.00	2.87		
Total BTEX	<0.300	0.300	04/01/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4240	16.0	04/01/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/01/2025	ND	217	109	200	5.05	
DRO >C10-C28*	40.4	10.0	04/01/2025	ND	209	105	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 70.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.0 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: FS 24 0.5' (H251877-26)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2025	ND	1.96	97.9	2.00	3.48		
Toluene*	<0.050	0.050	04/01/2025	ND	1.96	98.2	2.00	3.45		
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	1.95	97.3	2.00	3.90		
Total Xylenes*	<0.150	0.150	04/01/2025	ND	6.06	101	6.00	2.87		
Total BTEX	<0.300	0.300	04/01/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5680	16.0	04/01/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/01/2025	ND	217	109	200	5.05	
DRO >C10-C28*	239	10.0	04/01/2025	ND	209	105	200	3.30	
EXT DRO >C28-C36	19.5	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 81.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.6 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: FS 25 0.5' (H251877-27)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2025	ND	1.96	97.9	2.00	3.48		
Toluene*	<0.050	0.050	04/01/2025	ND	1.96	98.2	2.00	3.45		
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	1.95	97.3	2.00	3.90		
Total Xylenes*	<0.150	0.150	04/01/2025	ND	6.06	101	6.00	2.87		
Total BTX	<0.300	0.300	04/01/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	896	16.0	04/01/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/01/2025	ND	217	109	200	5.05	
DRO >C10-C28*	14.8	10.0	04/01/2025	ND	209	105	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 81.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.3 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: FS 26 1' (H251877-28)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2025	ND	2.13	107	2.00	2.58		
Toluene*	<0.050	0.050	04/01/2025	ND	2.17	108	2.00	2.77		
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	2.11	106	2.00	3.51		
Total Xylenes*	<0.150	0.150	04/01/2025	ND	6.24	104	6.00	3.85		
Total BTX	<0.300	0.300	04/01/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/01/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/01/2025	ND	217	109	200	5.05	
DRO >C10-C28*	<10.0	10.0	04/01/2025	ND	209	105	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 79.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.4 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: FS 27 1' (H251877-29)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2025	ND	2.13	107	2.00	2.58		
Toluene*	<0.050	0.050	04/01/2025	ND	2.17	108	2.00	2.77		
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	2.11	106	2.00	3.51		
Total Xylenes*	<0.150	0.150	04/01/2025	ND	6.24	104	6.00	3.85		
Total BTX	<0.300	0.300	04/01/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	04/01/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/01/2025	ND	217	109	200	5.05	
DRO >C10-C28*	<10.0	10.0	04/01/2025	ND	209	105	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 79.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.7 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: FS 28 1' (H251877-30)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2025	ND	2.13	107	2.00	2.58		
Toluene*	<0.050	0.050	04/01/2025	ND	2.17	108	2.00	2.77		
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	2.11	106	2.00	3.51		
Total Xylenes*	<0.150	0.150	04/01/2025	ND	6.24	104	6.00	3.85		
Total BTEx	<0.300	0.300	04/01/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	04/01/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/01/2025	ND	217	109	200	5.05	
DRO >C10-C28*	<10.0	10.0	04/01/2025	ND	209	105	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 84.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.3 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: FS 11 0.5' (H251877-31)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2025	ND	2.13	107	2.00	2.58		
Toluene*	<0.050	0.050	04/01/2025	ND	2.17	108	2.00	2.77		
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	2.11	106	2.00	3.51		
Total Xylenes*	<0.150	0.150	04/01/2025	ND	6.24	104	6.00	3.85		
Total BTEx	<0.300	0.300	04/01/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	960	16.0	04/01/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/01/2025	ND	217	109	200	5.05	
DRO >C10-C28*	924	10.0	04/01/2025	ND	209	105	200	3.30	
EXT DRO >C28-C36	203	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 86.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.7 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: FS 12 0.5' (H251877-32)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2025	ND	2.13	107	2.00	2.58		
Toluene*	<0.050	0.050	04/01/2025	ND	2.17	108	2.00	2.77		
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	2.11	106	2.00	3.51		
Total Xylenes*	<0.150	0.150	04/01/2025	ND	6.24	104	6.00	3.85		
Total BTEX	<0.300	0.300	04/01/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	768	16.0	04/01/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/01/2025	ND	217	109	200	5.05	
DRO >C10-C28*	416	10.0	04/01/2025	ND	209	105	200	3.30	
EXT DRO >C28-C36	64.8	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 87.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.3 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: FS 13 0.5' (H251877-33)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2025	ND	2.13	107	2.00	2.58		
Toluene*	<0.050	0.050	04/01/2025	ND	2.17	108	2.00	2.77		
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	2.11	106	2.00	3.51		
Total Xylenes*	<0.150	0.150	04/01/2025	ND	6.24	104	6.00	3.85		
Total BTEX	<0.300	0.300	04/01/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2600	16.0	04/01/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/01/2025	ND	217	109	200	5.05	
DRO >C10-C28*	1860	10.0	04/01/2025	ND	209	105	200	3.30	
EXT DRO >C28-C36	253	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: FS 14 0.5' (H251877-34)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2025	ND	2.13	107	2.00	2.58		
Toluene*	<0.050	0.050	04/01/2025	ND	2.17	108	2.00	2.77		
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	2.11	106	2.00	3.51		
Total Xylenes*	<0.150	0.150	04/01/2025	ND	6.24	104	6.00	3.85		
Total BTEX	<0.300	0.300	04/01/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1390	16.0	04/01/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/01/2025	ND	217	109	200	5.05	
DRO >C10-C28*	280	10.0	04/01/2025	ND	209	105	200	3.30	
EXT DRO >C28-C36	33.5	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 91.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.6 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: FS 15 0.5' (H251877-35)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2025	ND	2.13	107	2.00	2.58		
Toluene*	<0.050	0.050	04/01/2025	ND	2.17	108	2.00	2.77		
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	2.11	106	2.00	3.51		
Total Xylenes*	<0.150	0.150	04/01/2025	ND	6.24	104	6.00	3.85		
Total BTEx	<0.300	0.300	04/01/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2360	16.0	04/01/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/01/2025	ND	217	109	200	5.05	
DRO >C10-C28*	1540	10.0	04/01/2025	ND	209	105	200	3.30	
EXT DRO >C28-C36	210	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 87.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.7 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: FS 16 0.5' (H251877-36)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2025	ND	2.13	107	2.00	2.58		
Toluene*	<0.050	0.050	04/01/2025	ND	2.17	108	2.00	2.77		
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	2.11	106	2.00	3.51		
Total Xylenes*	<0.150	0.150	04/01/2025	ND	6.24	104	6.00	3.85		
Total BTEx	<0.300	0.300	04/01/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	04/01/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/01/2025	ND	217	109	200	5.05	
DRO >C10-C28*	237	10.0	04/01/2025	ND	209	105	200	3.30	
EXT DRO >C28-C36	35.1	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 87.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.2 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: FS 17 0.5' (H251877-37)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2025	ND	2.13	107	2.00	2.58		
Toluene*	<0.050	0.050	04/01/2025	ND	2.17	108	2.00	2.77		
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	2.11	106	2.00	3.51		
Total Xylenes*	<0.150	0.150	04/01/2025	ND	6.24	104	6.00	3.85		
Total BTEx	<0.300	0.300	04/01/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	656	16.0	04/01/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/01/2025	ND	217	109	200	5.05	
DRO >C10-C28*	111	10.0	04/01/2025	ND	209	105	200	3.30	
EXT DRO >C28-C36	13.4	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 76.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.3 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: SW 01 0-1' (H251877-38)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2025	ND	2.13	107	2.00	2.58		
Toluene*	<0.050	0.050	04/01/2025	ND	2.17	108	2.00	2.77		
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	2.11	106	2.00	3.51		
Total Xylenes*	<0.150	0.150	04/01/2025	ND	6.24	104	6.00	3.85		
Total BTEX	<0.300	0.300	04/01/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	04/01/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/01/2025	ND	217	109	200	5.05	
DRO >C10-C28*	<10.0	10.0	04/01/2025	ND	209	105	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 88.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.7 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2025	Sampling Date:	03/27/2025
Reported:	04/02/2025	Sampling Type:	Soil
Project Name:	PLU ROSS DRAW 33-25-30 USA BATTER'	Sampling Condition:	Cool & Intact
Project Number:	03C1558615 (SPILLS)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.09279-103.89216		

Sample ID: SW 02 0-0.5' (H251877-39)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2025	ND	2.13	107	2.00	2.58		
Toluene*	<0.050	0.050	04/01/2025	ND	2.17	108	2.00	2.77		
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	2.11	106	2.00	3.51		
Total Xylenes*	<0.150	0.150	04/01/2025	ND	6.24	104	6.00	3.85		
Total BTEX	<0.300	0.300	04/01/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1090	16.0	04/01/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/01/2025	ND	205	102	200	2.59	
DRO >C10-C28*	19.3	10.0	04/01/2025	ND	203	101	200	1.02	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 74.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.2 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

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

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.
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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 4

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC

Project Manager: Tracy Hillard

Address: 3122 National Parks Hwy

City: Carlsbad

Phone #: 337 257-8307

Project #: 03C1558615

Project Name: PLU Ross Ranch 33-25-30 USA Battery - 5m¹¹s

Project Location:

Sampler Name: Connor Whitman

FOR LAB USE ONLY

Lab I.D. Sample I.D.

Sample Depth (feet)

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

BTEX

TPH

CHLORIDE

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

Relinquished By:

Date: 3-31-25

Time: 1:15

Received By:

Date: 3-27-25

Time: 9:30

Verbal Result: ☐ Yes ☐ No

Add'l Phone #:

REMARKS: Cost Center: 1081111001 Incident ID: nAPP2505230580

Turnaround Time: Standard ☐ Rush ☒

Thermometer ID: 413

Correction Factor: 0.5°C

Bacteria (only) ☐ Sample Condition ☐

Cool Intact ☐ Observed Temp. °C

Corrected Temp. °C

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Observed Temp. °C

Corrected Temp. °C

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

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

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

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

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

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

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

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

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

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

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 4

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC
Project Manager: Tracy Hillard
Address: 3122 National Parks Hwy
City: Carlsbad
State: NM Zip: 88220
Phone #: 337 257-8307 Fax #:
Project #: 03C1558615 Project Owner: XTO
Project Name: PLU Ross Ranch 33-25-30 USA Battery - S₁₁
Project Location:
Sample Name: Connor Whitman

P.O. #:
Company: XTO Energy Inc.
Attn: Colton Brown
Address: 3104 E. Green St.
City: Carlsbad
State: NM Zip: 88220
Phone #:
Fax #:

FOR LAB USE ONLY
Lab I.D. Sample I.D. Sample Depth (feet)
H251877 F502 0.5
12 F503 C 1
13 F504
14 F505
15 F506
16 F507
17 F508
18 F509
19 F510
20 F518
(G)RAB OR (C)OMP.
CONTAINERS
MATRIX
GROUNDWATER
WASTEWATER
SOIL
OIL
SLUDGE
OTHER :
ACID/BASE:
ICE / COOL
OTHER :
DATE 3-27-25
TIME 1035
BTEX
TPH
CHLORIDE

PREPARED BY:
SAMPLING
CHECKED BY: (Initials)
Turnaround Time: Standard
Thermometer ID: #140
Correction Factor: 0.3C
Bacteria (only) Sample Condition
Cool Intact
Corrected Temp. °C

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 analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services rendered by Cardinal, regardless of whether such claim is based upon any of the above stated versions or otherwise.

Relinquished By:
Date: 3-31-25
Time: 1:15
Received By:
Date:
Time:
Delivered By: (Circle One)
Sample - UPS - Bus - Other:
Observed Temp. °C 34
Corrected Temp. °C 3.7
Sample Condition
Cool Intact
Yes
No
Checked By: (Initials)
Turnaround Time: Standard
Thermometer ID: #140
Correction Factor: 0.3C
Bacteria (only) Sample Condition
Cool Intact
Corrected Temp. °C

Verbal Result:
All Results are emailed. Please provide Email address:
T.Hillard@ensolum.com, T.Morrissey@ensolum.com, K.Homason@ensolum.com
REMARKS: Cost Center: 1081111001 Incident ID: nAPP2505230590
AFE:
Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 4

Company Name: Ensolum, LLC	BILL TO		ANALYSIS REQUEST	
----------------------------	----------------	--	------------------	--

Project Manager: Tracy Hillard	P.O. #:	Company: XTO Energy Inc.	
--------------------------------	---------	--------------------------	--

Address: 3122 National Parks Hwy	Attn: Colton Brown		
----------------------------------	--------------------	--	--

City: Carlsbad	State: NM	Zip: 88220	Address: 3104 E. Green St.
----------------	-----------	------------	----------------------------

Phone #: 337 257-8307	Fax #:	City: Carlsbad	State: NM Zip: 88220
-----------------------	--------	----------------	----------------------

Project #: 03C1558615	Project Owner: XTO	Phone #:	
-----------------------	--------------------	----------	--

Project Name: PLU Ross Ranch 33-25-30 USA Battery - 5 th fl.	Fax #:		
---	--------	--	--

Project Location:	SAMPLING		
-------------------	----------	--	--

Sampler Name: Connor Whitman	DATE		
------------------------------	------	--	--

FOR LAB USE ONLY	TIME		
------------------	------	--	--

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	DATE	TIME	BTEX	TPH	CHLORIDE
----------	-------------	---------------------	-------------------	--------------	--------	----------	------	------	------	-----	----------

1251877	FS19	0.5	C	2			3-27-25	1130			
21	FS19							1135			
22	FS20							1140			
23	FS21							1145			
24	FS22							1150			
25	FS23							1155			
26	FS24							1200			
27	FS25							1205			
28	FS26							1210			
29	FS27							1215			
30	FS28										

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

Relinquished By: CHA	Date: 3-31-25	Received By: [Signature]	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
----------------------	---------------	--------------------------	---	----------------

Relinquished By: CHA	Date: 3-31-25	Received By: [Signature]	All Results are emailed. Please provide Email address:	
----------------------	---------------	--------------------------	--	--

Relinquished By: CHA	Date: 3-31-25	Received By: [Signature]	REMARKS: Cost Center: 1081111001 Incident ID: nAPP2505230590	
----------------------	---------------	--------------------------	--	--

Relinquished By: CHA	Date: 3-31-25	Received By: [Signature]	AFI:	
----------------------	---------------	--------------------------	------	--

Delivered By: (Circle One)	Observed Temp: °C 34	Sample Condition	CHECKED BY: (Initials)	Turnaround Time: 440	Standard	Bacteria (only) Sample Condition
----------------------------	----------------------	------------------	------------------------	----------------------	----------	----------------------------------

Sampler - UPS - Bus - Other:	Corrected Temp: °C 37	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID: #13	49h	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
------------------------------	-----------------------	---	---	---------------------	-----	---

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4 of 4

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: Colton Brown																
Phone #: 337 257-8307				Address: 3104 E. Green St.																
State: NM Zip: 88220				City: Carlsbad																
Project #: 03C1558615				State: NM Zip: 88220																
Project Owner: XTO				Phone #:																
Project Name: PLU Ross Ranch 33-25-30 USA Battery - Spill				Fax #:																
Project Location:																				
Sampler Name: Connor Whitman																				
<small>FOR LAB USE ONLY</small>																				
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV	SAMPLING	BTEX	TPH	CHLORIDE										
H251877	F11	0.5	C	1	GROUNDWATER		3-2-25	1300												
31	F12				WASTEWATER			1305												
32	F13				SOIL			1310												
33	F14				OIL			1315												
34	F15				SLUDGE			1320												
35	F16				OTHER :			1325												
36	F17				ACID/BASE:			1330												
37	S401	0-1			ICE / COOL			1740												
38	S402	0-0.5			OTHER :			1405												
39																				

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

Relinquished By: *Chad* **Date:** 12/15/25 **Received By:** *Monica delacruz* **Date:** 12/15/25

Relinquished By: **Date:** **Received By:**

Delivered By: (Circle One) **Observed Temp. °C** **Corrected Temp. °C** **Sample Condition** **CHECKED BY:** (Initials)

Sampler - UPS - Bus - Other: **Corrected Temp. °C** **Yes** **No** **Intact** **Yes** **No** **Checked BY:** *AD*

Turnaround Time: **Standard** **Bacteria (only)** **Sample Condition** **Thermometer ID:** **Corrosion Factor:** **Observed Temp. °C** **Corrected Temp. °C**

REMARKS: Cost Center: 1061111001 Incident ID: nAPP2505230590

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

All Results are emailed. Please provide Email address: **Thillard@ensolum.com**, **TMorrissey@ensolum.com**, **kthomason@ensolum.com**

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



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

April 17, 2025

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: PLU ROSS RANCH 33-25-30 USA BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 04/15/25 14:07.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/15/2025	Sampling Date:	04/14/2025
Reported:	04/17/2025	Sampling Type:	Soil
Project Name:	PLU ROSS RANCH 33-25-30 USA BATTER	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Tamara Oldaker
Project Location:	XTO		

Sample ID: PH 01 0.5' (H252231-01)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2025	ND	2.11	105	2.00	0.00398		
Toluene*	<0.050	0.050	04/16/2025	ND	2.13	107	2.00	0.477		
Ethylbenzene*	<0.050	0.050	04/16/2025	ND	2.07	104	2.00	1.29		
Total Xylenes*	<0.150	0.150	04/16/2025	ND	6.12	102	6.00	0.984		
Total BTEX	<0.300	0.300	04/16/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	04/16/2025	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	04/16/2025	ND	197	98.5	200	2.31	
DRO >C10-C28*	75.0	10.0	04/16/2025	ND	186	92.8	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	04/16/2025	ND					

Surrogate: 1-Chlorooctane 84.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.3 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/15/2025	Sampling Date:	04/14/2025
Reported:	04/17/2025	Sampling Type:	Soil
Project Name:	PLU ROSS RANCH 33-25-30 USA BATTER	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Tamara Oldaker
Project Location:	XTO		

Sample ID: PH 01A 1' (H252231-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2025	ND	2.11	105	2.00	0.00398	
Toluene*	<0.050	0.050	04/16/2025	ND	2.13	107	2.00	0.477	
Ethylbenzene*	<0.050	0.050	04/16/2025	ND	2.07	104	2.00	1.29	
Total Xylenes*	<0.150	0.150	04/16/2025	ND	6.12	102	6.00	0.984	
Total BTEX	<0.300	0.300	04/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	04/16/2025	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	04/16/2025	ND	197	98.5	200	2.31	
DRO >C10-C28*	<10.0	10.0	04/16/2025	ND	186	92.8	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	04/16/2025	ND					

Surrogate: 1-Chlorooctane 98.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.9 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/15/2025	Sampling Date:	04/14/2025
Reported:	04/17/2025	Sampling Type:	Soil
Project Name:	PLU ROSS RANCH 33-25-30 USA BATTER	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Tamara Oldaker
Project Location:	XTO		

Sample ID: PH 01B 2' (H252231-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2025	ND	2.11	105	2.00	0.00398		
Toluene*	<0.050	0.050	04/16/2025	ND	2.13	107	2.00	0.477		
Ethylbenzene*	<0.050	0.050	04/16/2025	ND	2.07	104	2.00	1.29		
Total Xylenes*	<0.150	0.150	04/16/2025	ND	6.12	102	6.00	0.984		
Total BTEX	<0.300	0.300	04/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/16/2025	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	04/16/2025	ND	197	98.5	200	2.31	
DRO >C10-C28*	<10.0	10.0	04/16/2025	ND	186	92.8	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	04/16/2025	ND					

Surrogate: 1-Chlorooctane 96.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.4 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/15/2025	Sampling Date:	04/14/2025
Reported:	04/17/2025	Sampling Type:	Soil
Project Name:	PLU ROSS RANCH 33-25-30 USA BATTER	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Tamara Oldaker
Project Location:	XTO		

Sample ID: FS 13 0.5' (H252231-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2025	ND	2.11	105	2.00	0.00398		
Toluene*	<0.050	0.050	04/16/2025	ND	2.13	107	2.00	0.477		
Ethylbenzene*	<0.050	0.050	04/16/2025	ND	2.07	104	2.00	1.29		
Total Xylenes*	<0.150	0.150	04/16/2025	ND	6.12	102	6.00	0.984		
Total BTEX	<0.300	0.300	04/16/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	04/16/2025	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	04/16/2025	ND	197	98.5	200	2.31	
DRO >C10-C28*	<10.0	10.0	04/16/2025	ND	186	92.8	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	04/16/2025	ND					

Surrogate: 1-Chlorooctane 88.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.4 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/15/2025	Sampling Date:	04/14/2025
Reported:	04/17/2025	Sampling Type:	Soil
Project Name:	PLU ROSS RANCH 33-25-30 USA BATTER	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Tamara Oldaker
Project Location:	XTO		

Sample ID: FS 15 0.5' (H252231-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2025	ND	2.11	105	2.00	0.00398		
Toluene*	<0.050	0.050	04/16/2025	ND	2.13	107	2.00	0.477		
Ethylbenzene*	<0.050	0.050	04/16/2025	ND	2.07	104	2.00	1.29		
Total Xylenes*	<0.150	0.150	04/16/2025	ND	6.12	102	6.00	0.984		
Total BTEX	<0.300	0.300	04/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	04/16/2025	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	04/16/2025	ND	197	98.5	200	2.31	
DRO >C10-C28*	<10.0	10.0	04/16/2025	ND	186	92.8	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	04/16/2025	ND					

Surrogate: 1-Chlorooctane 91.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.1 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/15/2025	Sampling Date:	04/14/2025
Reported:	04/17/2025	Sampling Type:	Soil
Project Name:	PLU ROSS RANCH 33-25-30 USA BATTER	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Tamara Oldaker
Project Location:	XTO		

Sample ID: SW 02 0-0.5' (H252231-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2025	ND	2.11	105	2.00	0.00398		
Toluene*	<0.050	0.050	04/16/2025	ND	2.13	107	2.00	0.477		
Ethylbenzene*	<0.050	0.050	04/16/2025	ND	2.07	104	2.00	1.29		
Total Xylenes*	<0.150	0.150	04/16/2025	ND	6.12	102	6.00	0.984		
Total BTEX	<0.300	0.300	04/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	04/16/2025	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	04/16/2025	ND	197	98.5	200	2.31		
DRO >C10-C28*	<10.0	10.0	04/16/2025	ND	186	92.8	200	2.38		
EXT DRO >C28-C36	<10.0	10.0	04/16/2025	ND						

Surrogate: 1-Chlorooctane 80.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.8 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

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



11 Feb

ANALYSIS REQUEST

2

Etib

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

Action 527287

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 527287
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2505230590
Incident Name	NAPP2505230590 PLU ROSS RANCH 33-25-30 USA BATTERY @ FAPP2126357392
Incident Type	Oil Release
Incident Status	Remediation Plan Received
Incident Facility	[fAPP2126357392] PLU ROSS RANCH 33 25 30 USA BATT

Location of Release Source

Please answer all the questions in this group.

Site Name	PLU ROSS RANCH 33-25-30 USA BATTERY
Date Release Discovered	02/20/2025
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	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

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

Crude Oil Released (bbls) Details	Cause: Freezing Other (Specify) Crude Oil Released: 6 BBL Recovered: 2 BBL Lost: 4 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)	Freezing at the flare

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 2

Action 527287

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 527287
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Richard Kotzur Title: Senior Project Manager Email: NMEnvNotifications@exxonmobil.com Date: 11/17/2025
--	---

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 3

Action 527287

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 527287
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	OCD Imaging Records Lookup
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 ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between ½ and 1 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	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)	8240
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	3235
GRO+DRO (EPA SW-846 Method 8015M)	2860
BTEX (EPA SW-846 Method 8021B or 8260B)	2.3
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	02/27/2025
On what date will (or did) the final sampling or liner inspection occur	02/11/2026
On what date will (or was) the remediation complete(d)	02/11/2026
What is the estimated surface area (in square feet) that will be reclaimed	6000
What is the estimated volume (in cubic yards) that will be reclaimed	889
What is the estimated surface area (in square feet) that will be remediated	6000
What is the estimated volume (in cubic yards) that will be remediated	889
<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>	

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 4

Action 527287

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 527287
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Richard Kotzur Title: Senior Project Manager Email: NMEnvNotifications@exxonmobil.com Date: 11/17/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 5

Action 527287

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 527287
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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 6

Action 527287

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 527287
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	539500
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/09/2026
What was the (estimated) number of samples that were to be gathered	28
What was the sampling surface area in square feet	5600

Remediation Closure Request

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

Requesting a remediation closure approval with this submission	No
--	----

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

CONDITIONS

Action 527287

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 527287
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	The Remediation Plan is Conditionally Approved. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Confirmation samples should be collected every 200 ft2. All off pad areas must meet reclamation standards set forth in the OCD Spill Rule. The work will need to occur in 90 days after the work plan has been reviewed.	1/9/2026