



March 31, 2026

New Mexico Oil Conservation Division

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

**Re: Closure Request
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 *Closure Request* to document excavation and soil sampling activities performed at the PLU Ross Ranch 33-25-30 USA Battery (Site). The purpose of excavation and soil sampling activities, conducted in accordance with an approved Remediation Work Plan (*Work Plan*), was to address impacts to soil resulting from a release of crude oil at the Site. XTO is submitting this *Closure Request*, describing excavation activities that have occurred and requesting no further remediation for Incident Number nAPP2505230590.

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.

Ensolum conducted Site assessment, delineation and excavation activities and presented the results in a *Work Plan*. The *Work Plan* was submitted on November 17, 2025, and approved by the NMOCD on January 9, 2026. The *Work Plan* proposed excavation of impacted soil identified during delineation activities. The remediation activities described in the *Work Plan* are included below.

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SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest groundwater data is from the New Mexico Office of the State Engineer (NMOSE) soil boring, permitted as C-3832, located approximately 0.12 miles north of the Site. The soil boring was advanced to a depth of 805 feet bgs with groundwater first encountered at 260 feet bgs. The Well Log for C-3782 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 greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area).

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

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 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 visual observations and the information provided on the C-141. One delineation pothole (PH01) was advanced via hand auger to a maximum depth of 2 feet bgs within the release extent, to assess the vertical extent. Discrete soil samples were collected from PH01 at depths ranging from 0.5 feet to 2 feet bgs. In addition, twelve soil samples (SS01 through SS12) were collected around the release extent ranging from the ground surface to 0.5 feet bgs to assess the lateral extent of the release. The soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Field screening results and observations for the potholes were logged on lithologic/soil sampling logs, which are included in Appendix B. The release extent and delineation soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation is included in Appendix 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 or Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of the following constituents 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

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organics (ORO) following EPA Method 8015M/D; and chloride following Standards Method 4500 or EPA Method 300.0.

Laboratory analytical results for delineation soil samples SS01 through SS12, with the exception of SS06 through SS09, indicated all COC concentrations were compliant with Closure Criteria.

Delineation soil samples SS06 through SS09 indicated total TPH concentrations ranging from 224 mg/kg to 4,254 mg/kg, which exceed the Closure Criteria of 100 mg/kg, and required excavation. Delineation soil samples SS08 and SS09 indicated chloride concentrations of 1,500 mg/kg, which exceed the Closure Criteria of 600 mg/kg.

Laboratory analytical results for delineation soil sample PH01 indicated TPH and chloride concentrations were compliant with applicable Closure Criteria at 0.5 feet bgs to 2-foot bgs. Laboratory analytical results for delineation Laboratory analytical results are summarized in Table 1, and the complete laboratory analytical reports are included as Appendix D.

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 CS37 were collected from within the release area from depths 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, CS35 through CS37 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 applicable Closure Criteria. Based on visible staining in the release area and laboratory analytical results, additional remediation activities were warranted.

EXCAVATION 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. To direct excavation activities, soil was field screened for VOCs and chloride following the same procedure described above. 5-point composite soil samples were collected every 200 square feet from the floor and the sidewall of the excavation extent. Laboratory analytical results indicated COC concentrations exceeding Closure Criteria, warranting additional excavation. These results were presented and additional excavation was proposed in the *Work Plan* for the excavation of remaining impacted soil. The confirmation soil samples and proposed additional excavation extent are depicted on Figure 3.

Between December 17, 2025, and February 26, 2026, Ensolum returned to the Site to excavate remaining impacted soil in accordance with the *Work Plan*. Once impacted soil was removed, 5-point composite soil samples were collected every 200 square feet in areas previously exceeding Closure Criteria. In addition, one additional delineation soil sample (SS13) was collected from ground surface to laterally define the release extent.

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Confirmation soil samples CS09, CS10, CS19, CS27A, CS28B, CS29A, CS33, and CS34 were collected from the floor of previously exceeding sample locations. Confirmation soil samples FS01 through FS29 were collected from the floor of the excavation at depths ranging from 0.5 feet to 8 feet bgs. Confirmation soil samples SW01 through SW09 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 8 feet bgs. The delineation and confirmation soil samples were collected, handled, and submitted for the same COCs as described above. The confirmation soil sample locations are depicted on Figure 4. Photographic documentation of the final excavation extent is provided in Appendix C.

The final excavation extent measured approximately 7,395 square feet. A total of approximately 340 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and disposed of at the R360 Landfill Disposal Facility in Hobbs, New Mexico. The excavation will be backfilled with material purchased locally and the area will be recontoured to match pre-existing Site conditions.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all final excavation floor and sidewall samples indicated COC concentrations were compliant with the Closure Criteria. Laboratory analytical results for confirmation soil samples indicating COC concentrations exceeding Closure Criteria were subsequently excavated. The laboratory analytical results are summarized on the attached Table 1, and the complete laboratory analytical reports are included in Appendix D.

CLOSURE REQUEST

Excavation activities were conducted at the Site in accordance with the approved *Work Plan* to address the February 2025 release of crude oil. Laboratory analytical results for all final confirmation soil samples collected indicate COC concentrations were compliant with the Closure Criteria. Based on the soil sample laboratory analytical results, no further remediation is required. The excavation will be backfilled with material purchased locally and the Site will be recontoured to match pre-existing site conditions.

Excavation of soil has mitigated impacts exceeding the Closure Criteria at the Site. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number nAPP2505230590.

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

Sincerely,
Ensolum, LLC



Jaden Engels
Associate Geologist



Tacoma Morrissey, M.S., P.G.
Associate Principal

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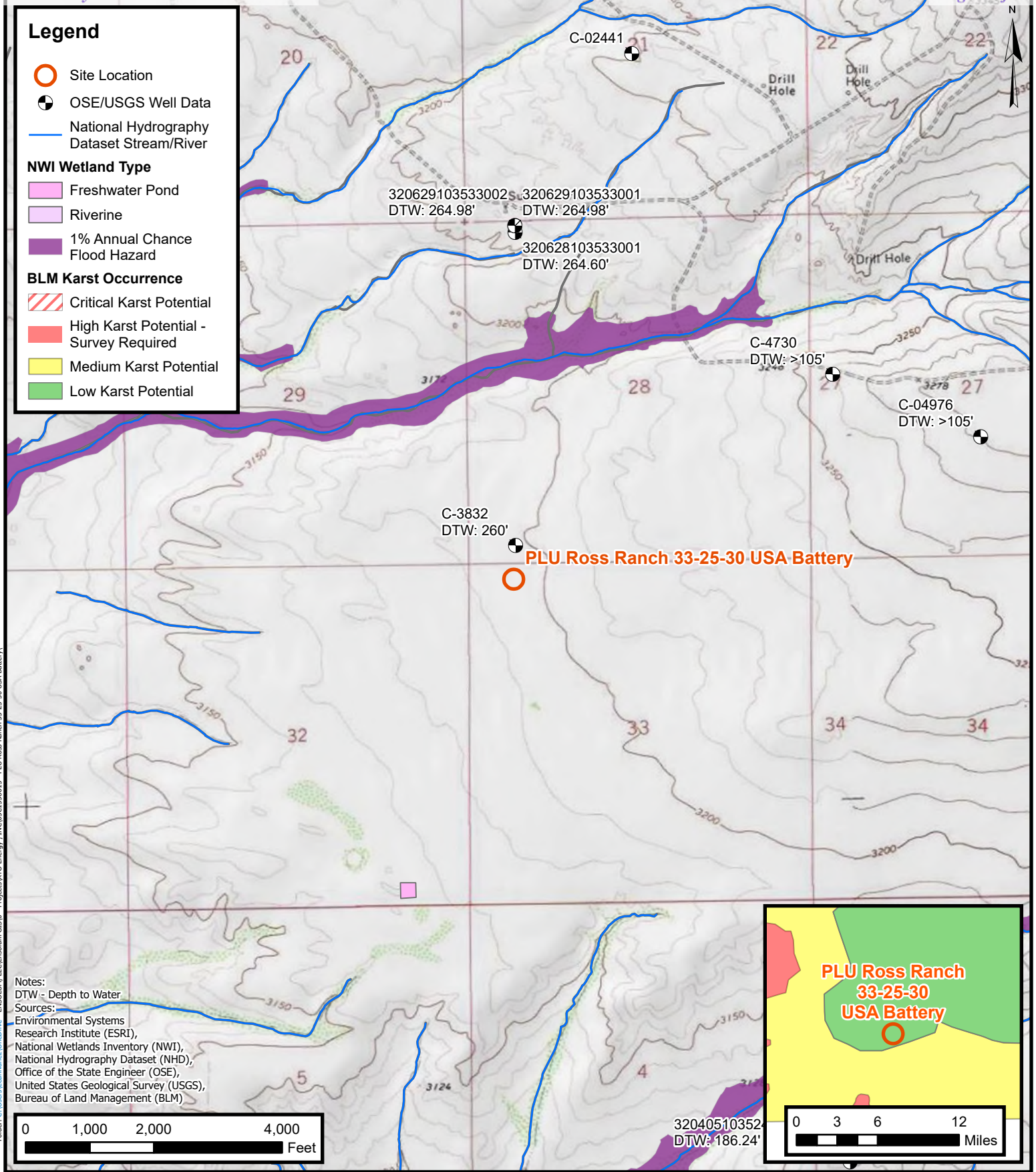
cc: Robert Woodall, XTO
Richard Kotzur, XTO
BLM

Appendices:

Figure 1 Site Receptor Map
Figure 2 Delineation Soil Sample Locations
Figure 3 *Work Plan* Soil Sample Locations
Figure 4 Confirmation Soil Sample Locations
Table 1 Soil Sample Analytical Results
Appendix A Referenced Well Records
Appendix B Lithologic Soil Sampling Logs
Appendix C Photographic Log
Appendix D Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix E Spill Volume Calculation



FIGURES



Folder: C:\Users\LearnUser\OneDrive - ENSOLUM, LLC\ENSOLUM GIS\0 - Projects\XTO Energy, INC\03C159615 - PLU Ross Ranch 33-25-30 USA Battery

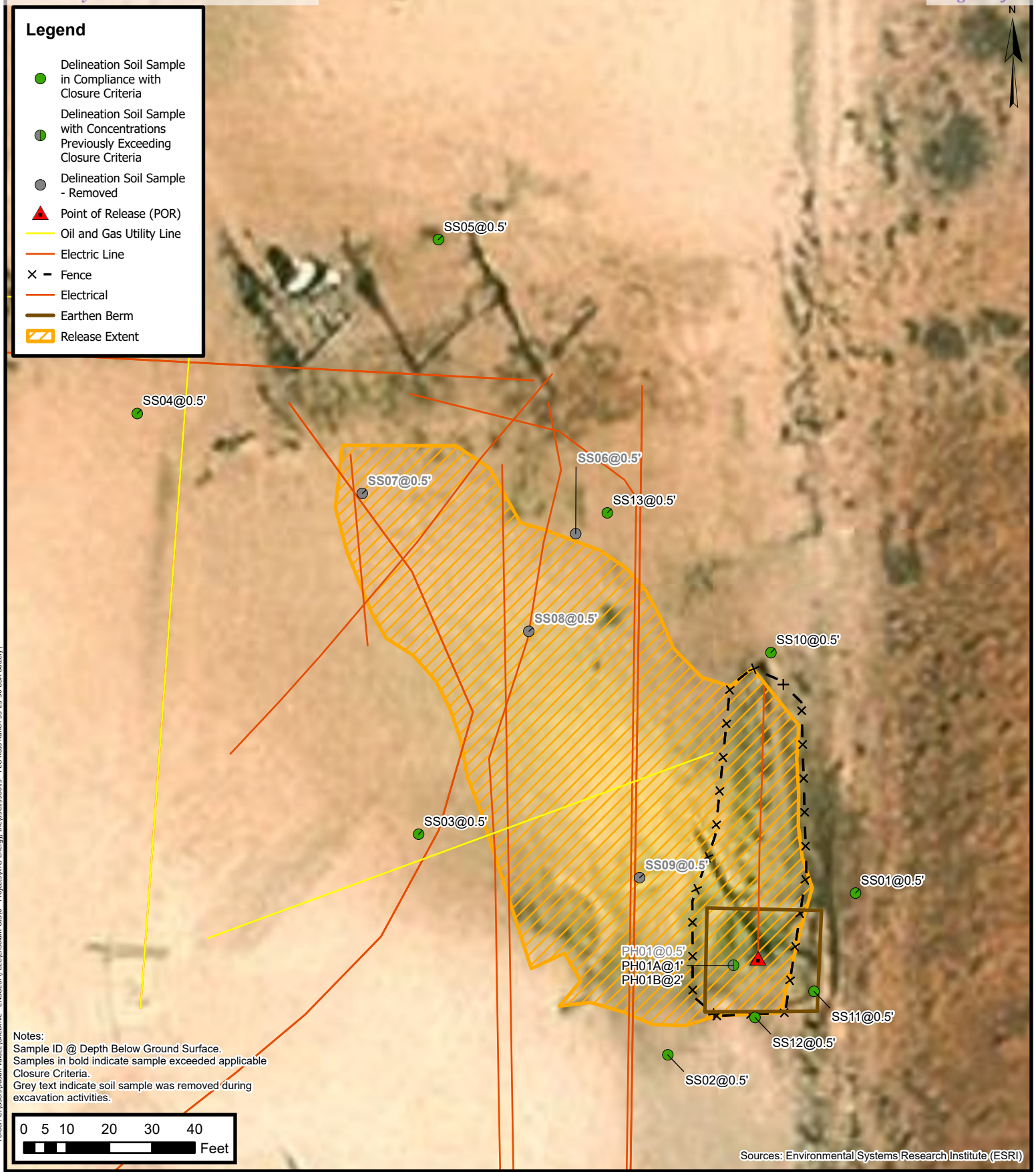


Site Receptor Map
 XTO Energy, INC.
 PLU Ross Ranch 33-25-30 USA Battery
 Incident Number: nAPP2505230590
 Unit D, Section 33, T 25S, R 30E
 Eddy County, New Mexico

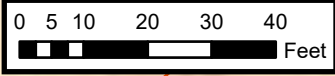
FIGURE
1

Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Delineation Soil Sample - Removed
- ▲ Point of Release (POR)
- Oil and Gas Utility Line
- Electric Line
- X - Fence
- Electrical
- Earthen Berm
- Release Extent



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



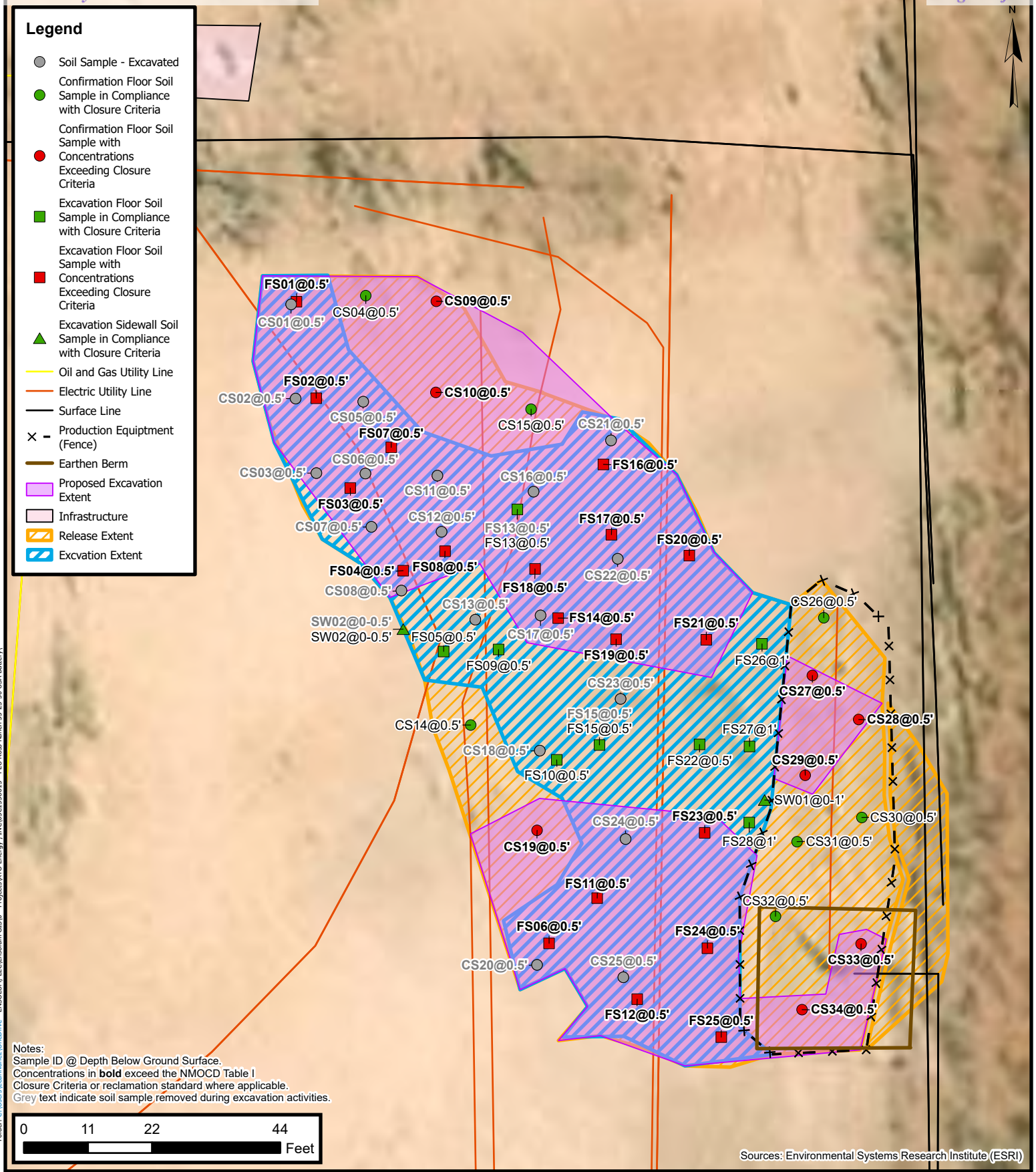
Sources: Environmental Systems Research Institute (ESRI)

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



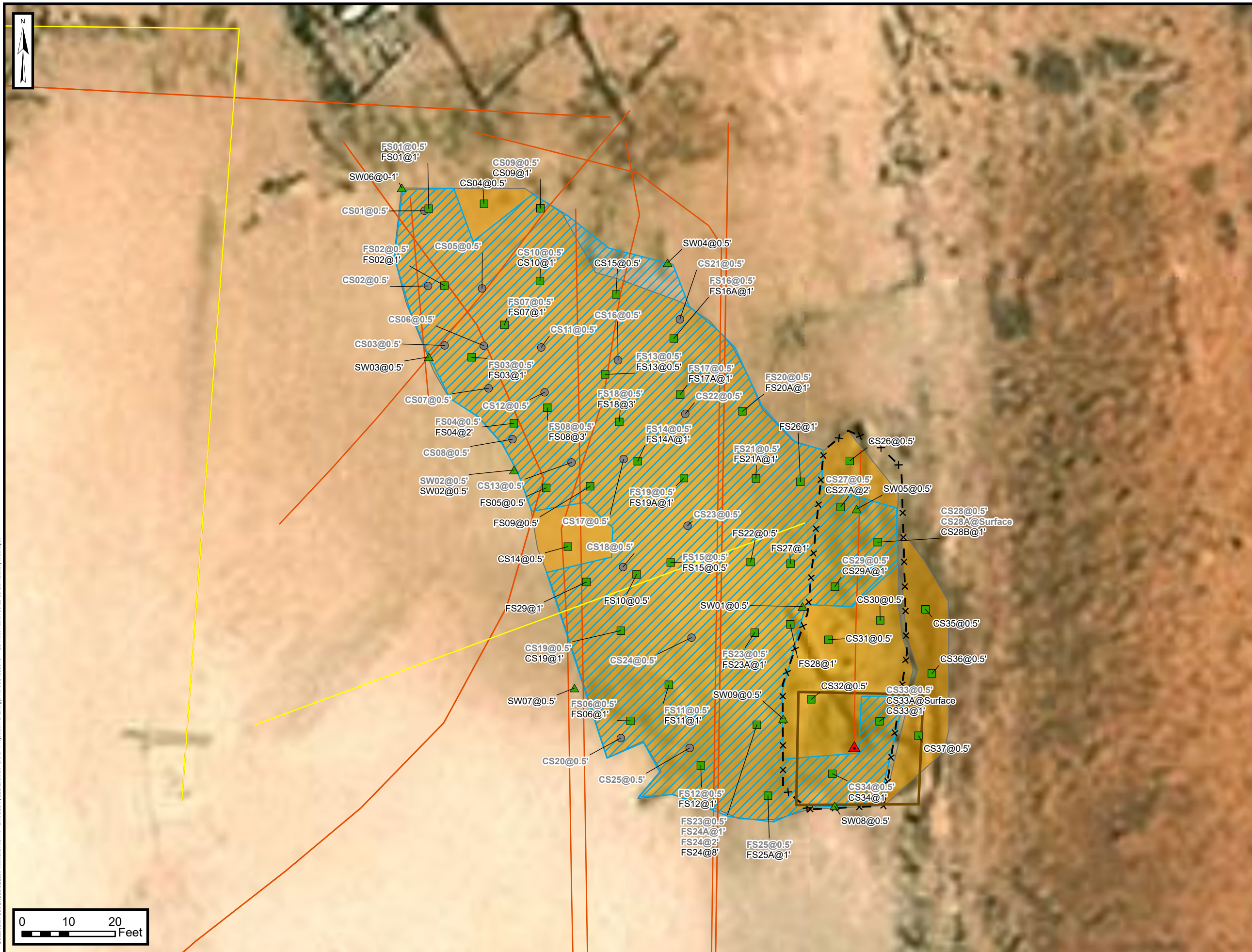


Work Plan Soil Sample Locations

XTO Energy, INC.
 PLU Ross Ranch 33-25-30 USA Battery
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FIGURE
3





Legend

- ▲ Confirmation Sidewall Sample in Compliance with Closure Criteria
- Confirmation Soil Sample in Compliance with Closure Criteria
- Confirmation Soil Sample - Excavated
- ▲ Point of Release (POR)
- Oil and Gas Utility Line
- Electric Utility Line
- X — Fence
- Electrical
- Earthen Berm
- Excavation Extent
- Release Extent

Sources: Environmental Systems Research Institute (ESRI), Bing

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

Confirmation Soil Sample Locations

XTO Energy, INC
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Unit D, Section 33, T 25S, R 30E
Eddy County, New Mexico

FIGURE

4





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
SS13	02/06/2026	Surface	0.00205	<0.00399	<49.7	<49.7	<49.7	<49.7	<49.7	<10.0
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
CS09	01/06/2026	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
CS10	03/10/2025	0.5	<0.050	<0.300	<10.0	201	34.3	201	235	992
CS10	01/06/2026	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128



**TABLE 1
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XTO Energy, Inc
Eddy County, New Mexico**

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
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
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
CS19	01/08/2026	1	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	35.4
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
CS27A	12/18/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS28	03/27/2025	0.5	<0.050	<0.300	<10.0	120	36.7	120	157	400
CS28A	12/18/2025	Surface	<0.050	<0.300	<10.0	20.5	<10.0	20.5	20.5	160
CS28B	02/26/2026	1	<0.00199	<0.00398	<49.8	91.2	<49.8	91.2	91.2	445
CS29	03/27/2025	0.5	<0.050	<0.300	<10.0	97.4	18.2	97.4	116	192
CS29A	12/17/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
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
CS33A	12/18/2025	Surface	<0.050	<0.300	<10.0	266	93.3	266	359	224
CS33	01/09/2026	1	<0.00199	<0.00398	<50.3	<50.3	<50.3	<50.3	<50.3	76.1
CS34	03/27/2025	0.5	<0.050	2.27	61.0	1,570	269	1,631	1,900	1,180
CS34	01/08/2026	1	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	103



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Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
CS35	02/26/2026	Surface	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	<49.8	122
CS36	02/26/2026	Surface	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	130
CS37	02/26/2026	Surface	<0.00200	<0.00399	<50.2	<50.2	<50.2	<50.2	<50.2	66.5
Excavation Soil Samples										
FS01	03/27/2025	0.5	<0.050	<0.300	<10.0	153	17.8	153	171	1,170
FS01	01/06/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
FS02	03/27/2025	0.5	<0.050	<0.300	<10.0	19.6	<10.0	19.6	19.6	1,760
FS02	01/06/2026	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS03	03/27/2025	0.5	<0.050	<0.300	<10.0	234	17.3	234	251	2,160
FS03	01/06/2026	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS04	03/27/2025	0.5	<0.050	<0.300	<10.0	12.1	<10.0	12.1	12.1	816
FS04	01/07/2026	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
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
FS06	01/08/2026	1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	177
FS07	03/27/2025	0.5	<0.050	<0.300	<10.0	223	24.3	223	247	6,000
FS07	01/06/2026	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS08	03/27/2025	0.5	<0.050	<0.300	<10.0	11.2	<10.0	11.2	11.2	4,480
FS08	01/08/2026	3	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	246
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
FS11	01/08/2026	1	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	204
FS12	03/27/2025	0.5	<0.050	<0.300	<10.0	416	64.8	416	481	768
FS12	01/08/2026	1	<0.00200	<0.00401	<50.4	<50.4	<50.4	<50.4	<50.4	170
FS13	03/27/2025	0.5	<0.050	<0.300	<10.0	1,860	253	1,860	2,113	2,600
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
FS14A	12/18/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
FS15	03/27/2025	0.5	<0.050	<0.300	<10.0	1,540	210	1,540	1,750	2,360
FS15	04/14/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336



**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
FS16	03/27/2025	0-5	<0.050	<0.300	<10.0	237	35.1	237	272	352
FS16A	12/18/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS17	03/27/2025	0-5	<0.050	<0.300	<10.0	111	13.4	111	124	656
FS17A	12/18/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
FS18	03/27/2025	0-5	<0.050	<0.300	<10.0	32.1	<10.0	32.1	32.1	1,570
FS18	01/08/2026	3	<0.00199	0.0145	<49.9	<49.9	<49.9	<49.9	<49.9	226
FS19	03/27/2025	0-5	<0.050	<0.300	<10.0	14.3	<10.0	14.3	14.3	4,800
FS19A	12/18/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS20	03/27/2025	0-5	<0.050	<0.300	<10.0	226	11.7	226	238	5,840
FS20A	12/18/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS21	03/27/2025	0-5	<0.050	<0.300	<10.0	29.3	<10.0	29.3	29.3	2,160
FS21A	12/18/2025	1	<0.050	<0.300	<10.0	70.0	<10.0	70.0	70.0	288
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
FS23A	12/17/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS24	03/27/2025	0-5	<0.050	<0.300	<10.0	239	19.5	239	259	5,680
FS24A	12/17/2025	1	<0.050	<0.300	<10.0	100	41.7	100	144	96.0
FS24	04/07/2026	2	<0.050	<0.300	<10.0	321	74.4	321	395	48.0
FS24	02/26/2026	8	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	48.3
FS25	03/27/2025	0-5	<0.050	<0.300	<10.0	14.8	<10.0	14.8	14.8	896
FS25A	12/17/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
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
FS29	02/26/2026	1	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	409
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
SW03	01/08/2026	0-3	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	177
SW04	01/07/2026	0-1	<0.050	<0.300	<10.0	18.5	<10.0	18.5	18.5	176
SW05	01/07/2026	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW06	01/08/2026	0-1	<0.00198	0.0078	<49.9	<49.9	<49.9	<49.9	<49.9	102



**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
SW07	01/08/2026	0-1	<0.00200	<0.00399	<50.2	<50.2	<50.2	<50.2	<50.2	197
SW08	01/09/2026	0-2	<0.00202	<0.00403	<50.1	<50.1	<50.1	<50.1	<50.1	35.7
SW09	02/26/2026	0-8	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	34.9

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

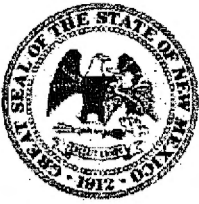
NMAC: New Mexico Administrative Code

Grey text indicates soil sample removed during excavation activities



APPENDIX A

Referenced Well Records



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

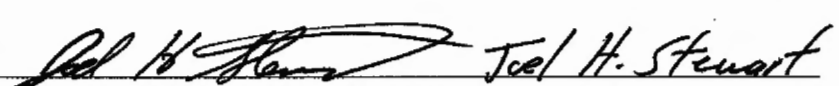
www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NUMBER (WELL NUMBER) POD-1 Renumbered C-3832-POD 2			OSE FILE NUMBER(S) C 3782 (exploratory) Renumbered C-3832		
	WELL OWNER NAME(S) BOPCO, L.P.			PHONE (OPTIONAL) (817) 390-8662		
	WELL OWNER MAILING ADDRESS 201 N Main St Suite 2900			CITY Fort Worth	STATE TX	ZIP 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 SW1/4SE1/4SW1/4SW1/4 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)		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)	SLOT SIZE (inches)
	FROM	TO						
	0	270	14.75	AS1M A53B	Welded	8.625	0.322	12.6
	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)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
	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	Iremie 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	TO			
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:				
				2-13-15	
SIGNATURE OF DRILLER / PRINT SIGNEE NAME			DATE		

STATE ENGINEER OFFICE
 605 W. WELL, NEW MEXICO
 2015 FEB 19 PM 2:35

FOR USE 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 DIVERSION

Applicant First Name: BOPCO EXPLORATORY WELL DRILLERS RECORD
Applicant Last Name: RENUMBERED C-3832-POD2

GW Basin: CARLSBAD
County: EDDY

Critical 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

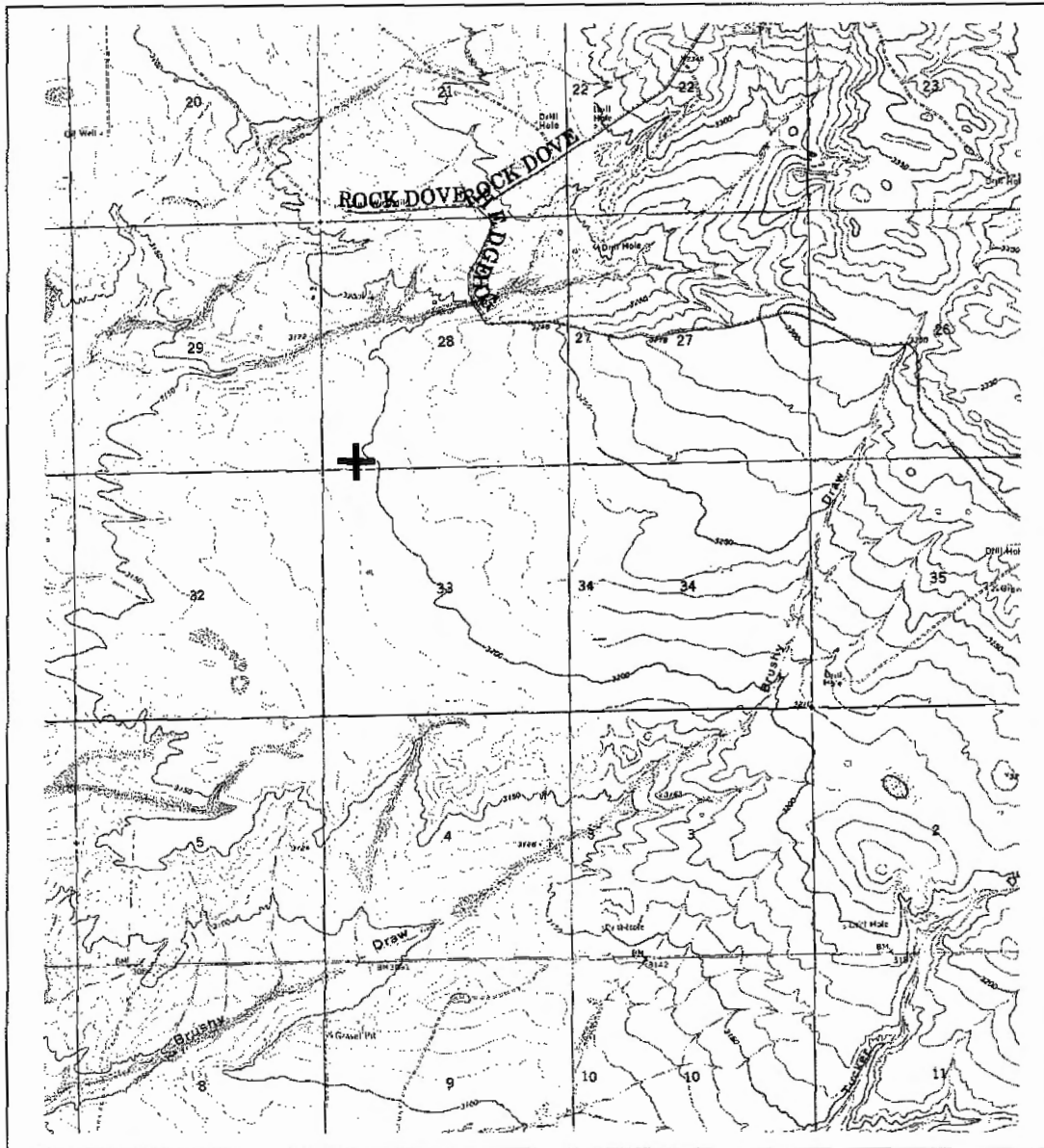
NAD 1983(92) (Meters) N: 3,551,444 E: 604,526
NAD 1983(92) (Survey Feet) N: 11,651,697 E: 1,983,348
NAD 1927 (Meters) N: 3,551,243 E: 604,573
NAD 1927 (Survey Feet) N: 11,651,036 E: 1,983,505

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

Lithologic Soil Sampling Log

							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							Logged By: Connor Whitman		Method: Hand auger	
Coordinates: 32.093350, -103.892200							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 C
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



Ensolum, LLC

PLU Ross Ranch 33-25-30 USA Bty
10 Mar 2025, 11:04:12 MDT

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



Ensolum, LLC

PLU Ross Ranch 33-25-30 USA Bty
10 Mar 2025, 11:04:34 MDT

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

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

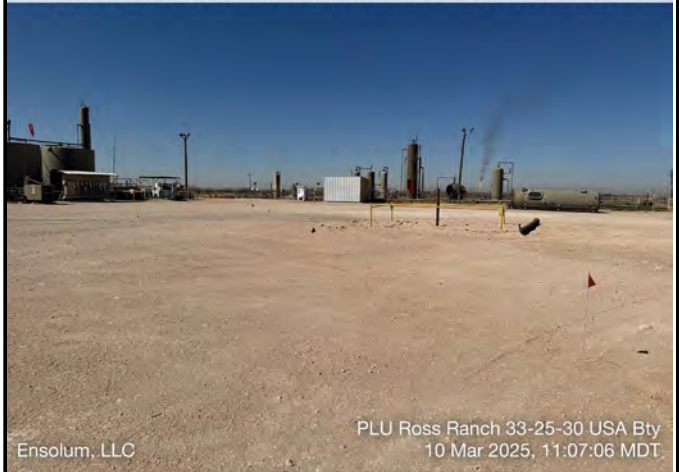
☉ 9°N (T) LAT: 32.093210 LON: -103.892287 ±9ft ▲ 3201ft



Ensolum, LLC

PLU Ross Ranch 33-25-30 USA Bty
10 Mar 2025, 11:06:24 MDT

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



Ensolum, LLC

PLU Ross Ranch 33-25-30 USA Bty
10 Mar 2025, 11:07:06 MDT

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

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



Date & Time: Wed, Mar 26, 2025 at 13:57:23 MDT
Position: +032.093495° / -103.892344° (±10.0ft)
Altitude: 3202ft (±19.9ft)
Datum: WGS-84
Azimuth/Bearing: 051° N09W 6240mils True (±13°)
Elevation Angle: -03.1°
Horizon Angle: -00.7°
Zoom: 1.0X
Ross Ranch 33-25-30



Date & Time: Thu, Mar 27, 2025 at 14:17:37 MDT
Position: +032.093342° / -103.892282° (±10.0ft)
Altitude: 3202ft (±19.9ft)
Datum: WGS-84
Azimuth/Bearing: 351° N09W 6240mils True (±13°)
Elevation Angle: -03.1°
Horizon Angle: -00.7°
Zoom: 1.0X
Ross Ranch 33-25-30

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

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



Date & Time: Mon, Apr 14, 2025 at 12:32:10 MDT
Position: +032.093533° / -103.892204° (±16.0ft)
Altitude: 3203ft (±9.8ft)
Datum: WGS-84
Azimuth/Bearing: 232° N86W 6871mils True (±19°)
Elevation Angle: -06.6°
Horizon Angle: -01.2°
Zoom: 1.0X
Ross Ranch 33-25-30, PHE1 0/2



Date & Time: Mon, Apr 14, 2025 at 12:37:18 MDT
Position: +032.093375° / -103.892519° (±11.0ft)
Altitude: 3209ft (±13.7ft)
Datum: WGS-84
Azimuth/Bearing: 065° N65E 11156mils True (±10°)
Elevation Angle: -01.4°
Horizon Angle: -01.4°
Zoom: 1.0X
Ross Ranch 33-25-30

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

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



Photographic Log

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

South Elevation

333°NW (T) • 32.093469, -103.892294 ±3m ▲ 944m



PLU Ross Ranch 33-25-30 USA Battery
07 Jan 2026 13:49:21

East Elevation

322°NW (T) • 32.093295, -103.89213 ±2m ▲ 951m



PLU Ross Ranch 33-25-30 USA Battery
08 Jan 2026 14:00:10

Photograph: 13 Date: 1/7/2026
Description: Excavation activities; near CS10
View: Northwest

Photograph: 14 Date: 1/8/2026
Description: Excavation activities; near CS34
View: North

West Elevation

5°N (T) • 32.093292, -103.892333 ±3m ▲ 944m



PLU Ross Ranch 33-25-30 USA Battery
08 Jan 2026 13:58:58

South Elevation

52°NE (T) • 32.093317, -103.892188 ±3m ▲ 946m



PLU Ross Ranch 33-25-30 USA Battery
09 Jan 2026 10:04:06

Photograph: 15 Date: 1/8/2026
Description: Excavation activities; near FS11
View: North

Photograph: 16 Date: 1/9/2026
Description: Excavation activities; near CS34
View: Northeast



Photographic Log

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



Photograph: 17 Date: 2/9/2026
Description: Excavation activities; near FS24
View: Northeast

Photograph: 18 Date: 2/26/2026
Description: Excavation activities; near FS04
View: Southwest



Photograph: 19 Date: 2/26/2026
Description: Excavation activities; near FS12
View: Northwest

Photograph: 20 Date: 2/26/2026
Description: Excavation activities; near FS24
View: East



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.

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)

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	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

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	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, SM4500CI-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

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/28/2025	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

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/28/2025	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, SM4500CI-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

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/28/2025	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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/28/2025	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

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/28/2025	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

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/28/2025	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

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/28/2025	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



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

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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, written over a light gray rectangular background.

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

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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)

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) 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

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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

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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

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC
 Project Manager: Tracy Hillard
 Address: 601 N Marlenfeld Street, Suite 400
 City: Midland State: TX Zip: 79701
 Phone #: 575-937-3906 Fax #:
 Project #: 03C1558615 Project Owner: XTO Energy
 Project Name: PLU Ross Ranch 33-25-30 USA Battery - SPILLS
 Project Location: 32.093556, -103.892350
 Sampler Name: Evan Roe
 P.O. #:
 Company: XTO Energy, Inc
 Attn: Colton Brown
 Address: 3104 E Greene St
 City: Carlsbad State: NM Zip: 88220
 Phone #:
 Fax #:
 MATRIX: GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER:
 PRESERV: ICE / COOL, OTHER:
 SAMPLING: DATE, TIME

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV	SAMPLING	TPH 8015	BTEX 8021	Chloride 4500
AB50334	SS08.11	0.5	G	1	SOIL	ICE / COOL	5-13-25 1405	✓	✓	✓
	SS04.12	0.5	G	1	SOIL	ICE / COOL	5-13-25 1355	✓	✓	✓

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Relinquished By: *[Signature]* Date: 5-15-25 Received By: *[Signature]* Time: 1400
 Date: Received By: *[Signature]*
 Delivered By: (Circle One) Observed Temp. °C: 8.6 Sample Condition: Cool Intact Bacteria (only) Sample Condition: Cool Intact
 Corrected Temp. °C: 8.9 Corrected Temp. °C:
 Verbal Result: Yes No Add'l Phone #:
 All Results are emailed. Please provide Email address: BBellill@ensolum.com, TMorrissey@ensolum.com, THillard@ensolum.com, KThomason@ensolum.com
 REMARKS: Incident Number: NAPP2505230590 Cost Center: 1081111001
 Turnaround Time: Standard Rush 24hr
 Thermometer ID: #13 Correction Factor: 0.1°C
 Bacteria (only) Sample Condition: Cool Intact Observed Temp. °C:
 Corrected Temp. °C:
 GFCM: 4865000

† 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

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC
 Project Manager: Tracy Hillard
 Address: 3122 National Parks Hwy
 City: Carlsbad State: NM Zip: 88220
 Phone #: 575-937-3906 Fax #: Project Owner: XTO
 Project #: 03C1558615
 Project Name: PLU Ross Draw 33-25-30 USA Battery
 Project Location: 32.09279, -103.89216
 Sampler Name: Alex Ferrell

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

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	Chlorides	TPH	BTEX	
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:						ICE / COOL
NAS1215	SS01	0.5'	G	1			X					X	2/27/85	1435	X	X	
	SS02													1416	X	X	
	SS03													1603	X	X	
	SS04													1422	X	X	
	SS05													1424	X	X	
	SS06													1427	X	X	
	SS07													1429	X	X	
	SS08													1431	X	X	
	SS09													1433	X	X	

FOR LAB USE ONLY

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Relinquished By: [Signature] Date: 02-28-25 Received By: [Signature] Date: 0802
 Relinquished Time: 0940 Received Time: 0940
 Delivered By: [Signature] (Circle One) Observed Temp.: 43°C Corrected Temp.: 45.95°C
 Sampler - UPS - Bus - Other: [Signature] Cool Intact: Yes Sample Condition: Cool Intact: Yes

REMARKS: Incident: nAPP2505230590 Cost Center: 1081111001
 Turnaround Time: Standard Rush
 Thermometer ID: 4100 Correction Factor: 0.0355-DAY
 Bacteria (only) Sample Condition: Cool Intact Observed Temp. °C Corrected Temp. °C

Verbal Result: Yes No Add'l Phone #: All Results are emailed. Please provide Email address: thillard@ensolum.com, Tmorrissey@ensolum.com, KThomason@ensolum.com

FORM-006 R.3.2 10/07/21



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)

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) 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

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	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, SM4500Cl-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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	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

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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

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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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	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)

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*	0.198	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 BTEX	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

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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, 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	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

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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

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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, SM4500Cl-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

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

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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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	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)

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*	0.890	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 BTEX	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

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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, SM4500CI-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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	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)

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*	0.061	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 BTEX	1.17	0.300	03/12/2025	ND					GC-NC1

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	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, SM4500CI-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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	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)

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	03/12/2025	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 BTEX	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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	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)

BTEX 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 BTEX	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

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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)

BTEX 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 BTEX	75.5	3.00	03/12/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 127 % 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	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

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	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, SM4500CI-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

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	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, SM4500CI-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

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	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

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	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)

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	03/12/2025	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 BTEX	4.50	0.300	03/12/2025	ND					GC-NC1	

Surrogate: 4-Bromofluorobenzene (PID) 246 % 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	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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	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)

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	03/12/2025	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 BTEX	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

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

1 of 3

Company Name: Ensolum, LLC	P.O. #:	BILL TO		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	State: NM Zip: 88220				
Project #: 03C1558615	Project Owner: XTO				
Project Name: PLU Ross Ranch 33-25-30 USA Battery	City: Carlsbad				
Project Location:	State: NM Zip: 88220				
Sampler Name: Connor Whitman	Phone #:				
FOR LAB USE ONLY	Fax #:				

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	BTEX	TPH	CHLORIDE
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
H251426	510	0.5	G	1								3-10-25	1225			
	501		C	1									1318			
	502		C	1									1321			
	503		C	1									1325			
	504		C	1									1330			
	505		C	1									1332			
	506		C	1									1334			
	507		C	1									1336			
	508		C	1									1337			
	509		C	1									1337			

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Relinquished By: *CHH* Date: 3-11-25 Received By: *[Signature]* Verbal Result: Yes No Add'l Phone #:

Relinquished By: *[Signature]* Date: 3-11-25 Received By: *[Signature]* All Results are emailed. Please provide Email address: *thillard@ensolum.com*

REMARKS: Cost Center: 1081111001 Incident ID: nAPP2505230590

Delivered By: (Circle One) UPS Bus Other: Observed Temp. °C: 1.8 Sample Condition: Intact Cool Intact Yes No

Sampler - UPS - Bus - Other: Corrected Temp. °C: 2.1 Checked BY: *[Signature]* Turnaround Time: Standard Rush Bacteria (only) Cool Intact Yes No

Thermometer ID: #13 #110 #113 Correction Factor: 0.3C #110 #113 Corrected Temp. °C: 1.8

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 3

Company Name: Ensolum, LLC	P.O. #:	BILL TO	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		
State: NM	State: NM		
Zip: 88220	Zip: 88220		
Project #: 03C1558615	Project Owner: XTO		
Project Name: PLU Ross Ranch 33-25-30 USA Battery			
Project Location:			
Sampler Name: Connor Whitman			

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	BTEX	TPH	CHLORIDE
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H837426	CS10	0.5	C	1							3-10-25	1341			
	CS11											1344			
	CS12											1346			
	CS13											1348			
	CS14											1350			
	CS15											1355			
	CS16											1400			
	CS17											1402			
	CS18											1404			
	CS19											1406			

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Relinquished By: *CAAB*

Date: 3-11-25

Time: 1515

Received By: *Blaine*

Date: 3-11-25

Time: 1515

Observed Temp. °C: 1.8

Corrected Temp. °C: 2.1

Sample Condition: Cool Intact Yes No

Checked By: *ST*

Turnaround Time: Standard Rush

Thermometer ID #: M3

Correction Factor: -0.36

Standard: #1103

Corrected Temp. °C: 1.8

Bacteria (only) Sample Condition: Cool Intact Yes No

Corrected Temp. °C:

Remarks: Cost Center: 1081111001 Incident ID: nAPP2505230590

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

All Results are emailed. Please provide Email address:

Thillard@ensolum.com, TMorrissey@ensolum.com, khomason@ensolum.com

FORWARD TO: 3-11-2025

Delivered By: (Circle One) UPS Bus Other

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3043

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
 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 #:

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX			PRESERV.		DATE	TIME	BTEX	TPH	CHLORIDE
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE					
H251426	CS20	0.5	C	1						3-10-21	1408			
	CS21										1410			
	CS22										1412			
	CS23										1414			
	CS24										1416			
	CS25										1418			

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Relinquished By: *[Signature]*
 Date: 3-11-25
 Time: 1515
 Received By: *[Signature]*
 Date:
 Time:
 Verbal Result: Yes No Add'l Phone #:
 All Results are emailed. Please provide Email address:
 THillard@ensolum.com, TMorrissey@ensolum.com, Kthomason@ensolum.com
 REMARKS: Cost Center: 1081111001 Incident ID: nAPP2505230590
 AFE:
 Delivered By: (Circle One) Observed Temp. °C: 1.8 Sample Condition Cool Intact Yes No
 Corrected Temp. °C: 8.1 Yes No
 Checked By: *[Signature]*
 Turnaround Time: Standard Rush
 Thermometer ID #A3 #140
 Correction Factor: -0.3°C
 Bacteria (only) Sample Condition Cool Intact Yes No
 Corrected Temp. °C:
 Incident ID: nAPP2505230590

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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 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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	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

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	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, SM4500CI-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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	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, SM4500CI-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

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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, SM4500CI-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

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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, SM4500Cl-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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	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)

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) 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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	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, SM4500CI-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

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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)

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	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

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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, SM4500CI-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

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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)

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, 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

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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)

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, 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

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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)

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, 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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	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, SM4500CI-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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	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)

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, 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

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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)

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, 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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	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)

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, 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

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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, 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	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

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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, SM4500CI-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

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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, SM4500CI-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

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	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)

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, 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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	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, SM4500CI-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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	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, SM4500CI-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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	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)

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, 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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	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)

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	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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	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)

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	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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	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

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	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

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	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

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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, SM4500CI-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

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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, SM4500CI-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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	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, SM4500CI-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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	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, SM4500CI-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

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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 4

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC		P.O. #:	
Project Manager: Tracy Hilliard		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	
Project #: 03C1558615	Project Owner: XTO	State: NM Zip: 88220	
Project Name: PLU Ross Ranch 33-25-30 USA Battery - S _{all} 15	Phone #:	Fax #:	
Project Location:	Sampler Name: Connor Whitman		

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	BTEX	TPH	CHLORIDE
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:					
HS1877	CS26	0.5	C	1							3-27-25	930			
	CS27										3-27-25	935			
	CS28											940			
	CS29											945			
	CS30											950			
	CS31											955			
	CS32											1200			
	CS33											1005			
	CS34											1010			
	FS01											1030			

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Relinquished By: *[Signature]* Date: 3-31-25 Received By: *[Signature]* Date: 3-31-25

Relinquished By: *[Signature]* Date: 3-31-25 Received By: *[Signature]* Date: 3-31-25

Turnaround Time: Standard Rush Add'l Phone #: *[Number]*

REMARKS: Cost Center: 1081111001 Incident ID: nAPP2505230590

Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact <input checked="" type="checkbox"/> Bacteria (only) <input type="checkbox"/>	
		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Thermometer ID: *[Number]* Correction Factor: *[Number]*



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 4

BILL TO ANALYSIS REQUEST

Company Name: Ensolum, LLC		P.O. #:	
Project Manager: Tracy Hillard		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	
Project #: 03C1558615	Project Owner: XTO	State: NM Zip: 88220	
Project Name: PLU Ross Ranch 33-25-30 USA Battery - S ₁₁	Phone #: _____	Fax #: _____	
Project Location: _____	Sampler Name: Connor Whitman	SAMPLING	

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G) GRAB OR (C) COMP.	# CONTAINERS	MATRIX						DATE	TIME	BTEX	TPH	CHLORIDE
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H251877	F502	0.5	C	1							3-27-25	1035			
	F503											1040			
	F504											1045			
	F505											1050			
	F506											1055			
	F507											1100			
	F508											1105			
	F509											1110			
	F510											1115			
	F518											1125			

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Relinquished By: <i>CH</i>	Date: 3-31-25	Received By: <i>Yumata Chabry</i>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Add'l Phone #:
Relinquished By: _____	Date: _____	Received By: _____	All Results are emailed. Please provide Email address: THillard@ensolum.com , TMorrissey@ensolum.com , kthomason@ensolum.com
Delivered By: (Circle One)	Observed Temp. °C: 34	Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No	Turnaround Time: #140 Rush
Sampler - UPS - Bus - Other:	Corrected Temp. °C: 3.7	Checked By: <i>AB</i>	Bacteria (only) Sample Condition: <input type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No
			Corrected Temp. °C: _____



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 4

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC		P.O. #:	
Project Manager: Tracy Hillard		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	
Project #: 03C1558615	Project Owner: XTO	State: NM Zip: 88220	
Project Name: PLU Ross Ranch 33-25-30 USA Battery - Spill	Phone #:	Fax #:	
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	MATRIX						DATE	TIME	BTEX	TPH	CHLORIDE
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
HS1877	FS19	0.5	C	2							3-27-25	1130			
	FS20											1135			
	ES21											1140			
	FS22											1145			
	FS23											1150			
	FS24											1155			
	FS25											1200			
	FS26											1205			
	FS27											1210			
	FS28											1215			

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Relinquished By: *CHA* Date: 3-31-25
 Received By: *Connor Whitman* Date: 3-31-25

Relinquished By: _____ Date: _____
 Received By: _____ Date: _____

REMARKS: Cost Center: 1081111001 Incident ID: nAPP2505230590

Delivered By: (Circle One) Observed Temp. °C 34
 Corrected Temp. °C 37

Sampler - UPS - Bus - Other: _____

Sample Condition: Cool Intact Yes No

Checked By: (Initials) *AVD*

Turnaround Time: 440 Standard Rush 49h

Thermometer ID #13 Correction Factor: 0.0°C

Bacteria (only) Sample Condition: Cool Intact Yes No

Corrected Temp. °C

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4 of 4

Company Name: Ensolum, LLC		BILL TO		P.O. #:		ANALYSIS REQUEST	
Project Manager: Tracy Hillard		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 - <i>Soil</i>		State: NM Zip: 88220		Phone #:			
Project Location:		Fax #:		SAMPLING			
Sampler Name: Connor Whitman		FOR LAB USE ONLY		DATE			

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	BTEX	TPH	CHLORIDE
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
<i>H251877</i>	R11	0.5	C I	1							3-22-25	1300			
	R12											1305			
	F513											1310			
	F514											1315			
	F515											1320			
	F516											1325			
	F517											1330			
	S401	0-1										1740			
	S402	0-0.5										1405			

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Relinquished By: *CHC* Date: *3-31-25* Received By: *Marcia Williams*

Delivered By: (Circle One) Driver UPS Bus Other: Corrected Temp. °C

Observed Temp. °C: *48.0* Corrected Temp. °C: *48.0*

Sample Condition: Cool Intact Yes No Bacteria (only) Sample Condition Cool Intact Yes No Observed Temp. °C Corrected Temp. °C

Checked By: *AD* Initials

Turnaround Time: *48 hrs* Standard Rush Bacteria (only) Sample Condition Cool Intact Yes No Observed Temp. °C Corrected Temp. °C

Thermometer ID: *481* Corrosion Factor: *0.3*

REMARKS: Cost Center: 1081111001 Incident ID: nAFP2505230590

Vertical Results: Yes No Add'l Phone #: _____

All Results are emailed. Please provide Email address: *Thillard@ensolum.com, TMorrissey@ensolum.com, khomason@ensolum.com*

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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".

Celey D. Keene

Lab Director/Quality Manager



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Analytical Results For:

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

Received:	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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	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, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	04/16/2025	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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	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, SM4500CI-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

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	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, SM4500CI-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

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	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, SM4500CI-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

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	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, SM4500CI-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

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1

Company Name: Ensolum, LLC		BILL TO		P.O. #:		ANALYSIS REQUEST	
Project Manager: Tracy Hillard		Company: XTO Energy Inc.		Address: 3104 E. Green St.			
Address: 3122 National Parks Hwy		Attn: Colton Brown		City: Carlsbad			
City: Carlsbad		State: NM Zip: 88220		State: NM Zip: 88220			
Phone #: 337 257-8307		Fax #:		Phone #:			
Project #: 03C1558615		Project Owner: XTO		State: NM Zip: 88220			
Project Name: PLU Ross Ranch 33-25-30 USA Battery		Project Location:		Fax #:			
Sampler Name: Connor Whitman		FOR LAB USE ONLY		PRESERV:			
Lab I.D. <i>HKS 3231</i>		Sample I.D.		SAMPLE			
Sample Depth (feet)		(G)RAB OR (C)OMP.		DATE		TIME	
1		1		4-11-25		1100	
2		1				1115	
3		1				1220	
4		1				1225	
5		1				1230	
6		1					
PH01		# CONTAINERS		BTX		TPH	
PH0A		GROUNDWATER		CHLORIDE			
PH01B		WASTEWATER					
FK15		SOIL					
FS15		OIL					
SW02		SLUDGE					
0-0.5		OTHER:					
		ACID/BASE:					
		ICE / COOL					
		OTHER:					

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Relinquished By: *EW* Date: *4-15-25* Received By: *Connor Whitman*
 Time: *1407*

Relinquished By: _____ Date: _____ Received By: _____
 Time: _____

Delivered By: (Circle One) Observed Temp. °C: *1.3* Sample Condition: Intact Broken
 Sampler - UPS - Bus - Other: Corrected Temp. °C: *1.6* Yes No

TURNAROUND TIME: Standard Rush Bacteria (only) Intact Observed Temp. °C
 Thermometer ID # *113* *CH1515* Yes No
 Correction Factor: *0.3* Yes No Corrected Temp. °C



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

December 29, 2025

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

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

Enclosed are the results of analyses for samples received by the laboratory on 12/19/25 14:31.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

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:	12/19/2025	Sampling Date:	12/17/2025
Reported:	12/29/2025	Sampling Type:	Soil
Project Name:	PLU ROSS RANCH 33-25-30 USA BATTER	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.093408-103.892262		

Sample ID: FS25A 1' (H257873-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/23/2025	ND	2.03	101	2.00	2.03	
Toluene*	<0.050	0.050	12/23/2025	ND	2.00	100	2.00	1.05	
Ethylbenzene*	<0.050	0.050	12/23/2025	ND	1.97	98.5	2.00	0.954	
Total Xylenes*	<0.150	0.150	12/23/2025	ND	6.08	101	6.00	0.880	
Total BTEX	<0.300	0.300	12/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/22/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2025	ND	190	94.9	200	2.25	
DRO >C10-C28*	<10.0	10.0	12/22/2025	ND	208	104	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	12/22/2025	ND					

Surrogate: 1-Chlorooctane 75.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 73.9 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/19/2025	Sampling Date:	12/17/2025
Reported:	12/29/2025	Sampling Type:	Soil
Project Name:	PLU ROSS RANCH 33-25-30 USA BATTER	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.093408-103.892262		

Sample ID: FS24A 1' (H257873-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/23/2025	ND	2.03	101	2.00	2.03	
Toluene*	<0.050	0.050	12/23/2025	ND	2.00	100	2.00	1.05	
Ethylbenzene*	<0.050	0.050	12/23/2025	ND	1.97	98.5	2.00	0.954	
Total Xylenes*	<0.150	0.150	12/23/2025	ND	6.08	101	6.00	0.880	
Total BTEX	<0.300	0.300	12/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/22/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2025	ND	190	94.9	200	2.25	
DRO >C10-C28*	100	10.0	12/22/2025	ND	208	104	200	3.52	
EXT DRO >C28-C36	41.7	10.0	12/22/2025	ND					

Surrogate: 1-Chlorooctane 90.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 81.8 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/19/2025	Sampling Date:	12/17/2025
Reported:	12/29/2025	Sampling Type:	Soil
Project Name:	PLU ROSS RANCH 33-25-30 USA BATTER	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.093408-103.892262		

Sample ID: FS23A 1' (H257873-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/23/2025	ND	2.03	101	2.00	2.03	
Toluene*	<0.050	0.050	12/23/2025	ND	2.00	100	2.00	1.05	
Ethylbenzene*	<0.050	0.050	12/23/2025	ND	1.97	98.5	2.00	0.954	
Total Xylenes*	<0.150	0.150	12/23/2025	ND	6.08	101	6.00	0.880	
Total BTEX	<0.300	0.300	12/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	12/22/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2025	ND	190	94.9	200	2.25	
DRO >C10-C28*	<10.0	10.0	12/22/2025	ND	208	104	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	12/22/2025	ND					

Surrogate: 1-Chlorooctane 74.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 69.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/19/2025	Sampling Date:	12/17/2025
Reported:	12/29/2025	Sampling Type:	Soil
Project Name:	PLU ROSS RANCH 33-25-30 USA BATTER	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.093408-103.892262		

Sample ID: FS29A 1' (H257873-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/23/2025	ND	2.03	101	2.00	2.03	
Toluene*	<0.050	0.050	12/23/2025	ND	2.00	100	2.00	1.05	
Ethylbenzene*	<0.050	0.050	12/23/2025	ND	1.97	98.5	2.00	0.954	
Total Xylenes*	<0.150	0.150	12/23/2025	ND	6.08	101	6.00	0.880	
Total BTEX	<0.300	0.300	12/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/22/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2025	ND	190	94.9	200	2.25	
DRO >C10-C28*	<10.0	10.0	12/22/2025	ND	208	104	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	12/22/2025	ND					

Surrogate: 1-Chlorooctane 81.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 75.9 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

1-1

Company Name: Ensolum, LLC		BILL TO		P.O. #:		ANALYSIS REQUEST	
Project Manager: Tracy Hillard		Company: XTO Energy, Inc		Company: XTO Energy, Inc			
Address: 601 N Marientfeld Street, Suite 400		Attn: Dale Woodall		Address: 3014 E Greene St			
City: Midland		State: TX Zip: 79701		City: Carlsbad			
Phone #: (575) 937-3906		Fax #:		State: NM Zip: 88220			
Project #: 03C1558615		Project Owner: XTO Energy, Inc.		Phone #:			
Project Name: PLU Ross Ranch 33-25-30 USA Battery		- SPILLS		Fax #:			
Project Location: 32.093408, -103.892262							
Sampler Name: Trevor Wargo							

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500					
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :										ACID/BASE:
125-1873	FS25A	1	C	1							12/17/25	12:04	↑	↑	↑					
2	FS24A	1	C	1							12/17/25	12:26	↑	↑	↑					
3	FS23A	1	C	1							12/17/25	12:24	↑	↑	↑					
	FS29A	1	C	1							12/17/25	12:55	↑	↑	↑					

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CIS QUORUM

Relinquished By: *Trevor Wargo* Date: 12/19/25 Received By: *[Signature]* Date: 12/19/25

Relinquished By: *[Signature]* Date: 12/19/25 Received By: *[Signature]* Date: 12/19/25

Delivered By: (Circle One) UPS Bus Other: Observed Temp. °C: 33.0 Corrected Temp. °C: 33.0

Sample Condition Cool Intact Yes No

CHECKED BY: *[Signature]*

Turnaround Time: Standard Rush Add'l Phone #: *[Blank]*

Thermometer ID #413 Correction Factor: 0.3°C Bacteria (only) Sample Condition Cool Intact Yes No Observed Temp. °C: *[Blank]* Corrected Temp. °C: *[Blank]*

REMARKS: Incident Number: RAPP2505230590 Cost Center: 1081111001 GFCM: 48605000

Verbal Result: Yes No Add'l Phone #: *[Blank]*

All Results are emailed. Please provide Email address: TWargo@ensolum.com JReich@ensolum.com
 BBeill@ensolum.com, TMorrissey@ensolum.com, RRichard@ensolum.com
 THillard@ensolum.com, KThomason@ensolum.com, Richard.Koizur@exxonmobil.com



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

December 29, 2025

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

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

Enclosed are the results of analyses for samples received by the laboratory on 12/19/25 14:31.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

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:	12/19/2025	Sampling Date:	12/18/2025
Reported:	12/29/2025	Sampling Type:	Soil
Project Name:	PLU ROSS RANCH 33-25-30 USA BATTER	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.093408-103.892262		

Sample ID: CS27A 2' (H257874-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/23/2025	ND	2.03	101	2.00	2.03	
Toluene*	<0.050	0.050	12/23/2025	ND	2.00	100	2.00	1.05	
Ethylbenzene*	<0.050	0.050	12/23/2025	ND	1.97	98.5	2.00	0.954	
Total Xylenes*	<0.150	0.150	12/23/2025	ND	6.08	101	6.00	0.880	
Total BTEX	<0.300	0.300	12/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/22/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2025	ND	190	94.9	200	2.25	
DRO >C10-C28*	<10.0	10.0	12/22/2025	ND	208	104	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	12/22/2025	ND					

Surrogate: 1-Chlorooctane 84.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 81.4 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/19/2025	Sampling Date:	12/18/2025
Reported:	12/29/2025	Sampling Type:	Soil
Project Name:	PLU ROSS RANCH 33-25-30 USA BATTER	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.093408-103.892262		

Sample ID: CS28A SURFACE (H257874-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/23/2025	ND	2.03	101	2.00	2.03	
Toluene*	<0.050	0.050	12/23/2025	ND	2.00	100	2.00	1.05	
Ethylbenzene*	<0.050	0.050	12/23/2025	ND	1.97	98.5	2.00	0.954	
Total Xylenes*	<0.150	0.150	12/23/2025	ND	6.08	101	6.00	0.880	
Total BTEX	<0.300	0.300	12/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/22/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2025	ND	190	94.9	200	2.25	
DRO >C10-C28*	20.5	10.0	12/22/2025	ND	208	104	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	12/22/2025	ND					

Surrogate: 1-Chlorooctane 68.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 64.8 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/19/2025	Sampling Date:	12/18/2025
Reported:	12/29/2025	Sampling Type:	Soil
Project Name:	PLU ROSS RANCH 33-25-30 USA BATTER	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.093408-103.892262		

Sample ID: CS33A SURFACE (H257874-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/23/2025	ND	2.03	101	2.00	2.03	
Toluene*	<0.050	0.050	12/23/2025	ND	2.00	100	2.00	1.05	
Ethylbenzene*	<0.050	0.050	12/23/2025	ND	1.97	98.5	2.00	0.954	
Total Xylenes*	<0.150	0.150	12/23/2025	ND	6.08	101	6.00	0.880	
Total BTEX	<0.300	0.300	12/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	12/22/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2025	ND	190	94.9	200	2.25	
DRO >C10-C28*	266	10.0	12/22/2025	ND	208	104	200	3.52	
EXT DRO >C28-C36	93.3	10.0	12/22/2025	ND					

Surrogate: 1-Chlorooctane 64.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 62.9 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/19/2025	Sampling Date:	12/18/2025
Reported:	12/29/2025	Sampling Type:	Soil
Project Name:	PLU ROSS RANCH 33-25-30 USA BATTER	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.093408-103.892262		

Sample ID: FS20A 1' (H257874-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/23/2025	ND	2.03	101	2.00	2.03	
Toluene*	<0.050	0.050	12/23/2025	ND	2.00	100	2.00	1.05	
Ethylbenzene*	<0.050	0.050	12/23/2025	ND	1.97	98.5	2.00	0.954	
Total Xylenes*	<0.150	0.150	12/23/2025	ND	6.08	101	6.00	0.880	
Total BTEX	<0.300	0.300	12/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/22/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2025	ND	190	94.9	200	2.25	
DRO >C10-C28*	<10.0	10.0	12/22/2025	ND	208	104	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	12/22/2025	ND					

Surrogate: 1-Chlorooctane 74.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 71.7 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/19/2025	Sampling Date:	12/18/2025
Reported:	12/29/2025	Sampling Type:	Soil
Project Name:	PLU ROSS RANCH 33-25-30 USA BATTER	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.093408-103.892262		

Sample ID: FS21A 1' (H257874-05)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/23/2025	ND	2.03	101	2.00	2.03	
Toluene*	<0.050	0.050	12/23/2025	ND	2.00	100	2.00	1.05	
Ethylbenzene*	<0.050	0.050	12/23/2025	ND	1.97	98.5	2.00	0.954	
Total Xylenes*	<0.150	0.150	12/23/2025	ND	6.08	101	6.00	0.880	
Total BTEX	<0.300	0.300	12/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	12/22/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2025	ND	190	94.9	200	2.25	
DRO >C10-C28*	70.0	10.0	12/22/2025	ND	208	104	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	12/22/2025	ND					

Surrogate: 1-Chlorooctane 78.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 77.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/19/2025	Sampling Date:	12/18/2025
Reported:	12/29/2025	Sampling Type:	Soil
Project Name:	PLU ROSS RANCH 33-25-30 USA BATTER	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.093408-103.892262		

Sample ID: FS19A 1' (H257874-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/23/2025	ND	2.03	101	2.00	2.03	
Toluene*	<0.050	0.050	12/23/2025	ND	2.00	100	2.00	1.05	
Ethylbenzene*	<0.050	0.050	12/23/2025	ND	1.97	98.5	2.00	0.954	
Total Xylenes*	<0.150	0.150	12/23/2025	ND	6.08	101	6.00	0.880	
Total BTEX	<0.300	0.300	12/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	12/22/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2025	ND	190	94.9	200	2.25	
DRO >C10-C28*	<10.0	10.0	12/22/2025	ND	208	104	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	12/22/2025	ND					

Surrogate: 1-Chlorooctane 80.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 76.5 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/19/2025	Sampling Date:	12/18/2025
Reported:	12/29/2025	Sampling Type:	Soil
Project Name:	PLU ROSS RANCH 33-25-30 USA BATTER	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.093408-103.892262		

Sample ID: FS14A 1' (H257874-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/23/2025	ND	2.03	101	2.00	2.03	
Toluene*	<0.050	0.050	12/23/2025	ND	2.00	100	2.00	1.05	
Ethylbenzene*	<0.050	0.050	12/23/2025	ND	1.97	98.5	2.00	0.954	
Total Xylenes*	<0.150	0.150	12/23/2025	ND	6.08	101	6.00	0.880	
Total BTEX	<0.300	0.300	12/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	12/22/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2025	ND	190	94.9	200	2.25	
DRO >C10-C28*	<10.0	10.0	12/22/2025	ND	208	104	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	12/22/2025	ND					

Surrogate: 1-Chlorooctane 76.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 72.1 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/19/2025	Sampling Date:	12/18/2025
Reported:	12/29/2025	Sampling Type:	Soil
Project Name:	PLU ROSS RANCH 33-25-30 USA BATTER	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.093408-103.892262		

Sample ID: FS17A 1' (H257874-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/23/2025	ND	2.03	101	2.00	2.03	
Toluene*	<0.050	0.050	12/23/2025	ND	2.00	100	2.00	1.05	
Ethylbenzene*	<0.050	0.050	12/23/2025	ND	1.97	98.5	2.00	0.954	
Total Xylenes*	<0.150	0.150	12/23/2025	ND	6.08	101	6.00	0.880	
Total BTEX	<0.300	0.300	12/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	12/22/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2025	ND	190	94.9	200	2.25	
DRO >C10-C28*	<10.0	10.0	12/22/2025	ND	208	104	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	12/22/2025	ND					

Surrogate: 1-Chlorooctane 77.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 74.2 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/19/2025	Sampling Date:	12/18/2025
Reported:	12/29/2025	Sampling Type:	Soil
Project Name:	PLU ROSS RANCH 33-25-30 USA BATTER	Sampling Condition:	Cool & Intact
Project Number:	03C1558615	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.093408-103.892262		

Sample ID: FS16A 1' (H257874-09)

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	12/23/2025	ND	2.03	101	2.00	2.03	
Toluene*	<0.050	0.050	12/23/2025	ND	2.00	100	2.00	1.05	
Ethylbenzene*	<0.050	0.050	12/23/2025	ND	1.97	98.5	2.00	0.954	
Total Xylenes*	<0.150	0.150	12/23/2025	ND	6.08	101	6.00	0.880	
Total BTEX	<0.300	0.300	12/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	12/22/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2025	ND	190	94.9	200	2.25	
DRO >C10-C28*	<10.0	10.0	12/22/2025	ND	208	104	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	12/22/2025	ND					

Surrogate: 1-Chlorooctane 74.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 70.5 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1-1

Company Name: Ensolium, LLC		BILL TO		ANALYSIS REQUEST	
Project Manager: Tracy Hillard		P.O. #:			
Address: 601 N Marientfeld Street, Suite 400		Company: XTO Energy, Inc			
City: Midland		Attn: Dale Woodall			
Phone #: (575) 937-3906		Address: 3014 E Greene St			
Project #: 03C1558615		City: Carlsbad			
Project Name: PLU Ross Ranch 33-25-30 USA Battery		State: NM		Zip: 88220	
Project Location: 32.093408, -103.892262		Phone #:			
Sampler Name: Trevor Wargo		Fax #:			

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500				
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :									
H057824	CS274A	2'	C	1							12/18/25	11:13							
	US28A	Surface											11:41						
	CS33A												14:03						
	FS20A												12:52						
	FS21A												12:56						
	FS19A												22:59						
	FS14A												13:02						
	FS17A												14:21						
	FS16A												14:24						

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OIS 0008111K

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: 12/18/2025
 Received By: *[Signature]* Date: 12/18/2025
 Relinquished By: *[Signature]* Date: 8/10/25
 Received By: *[Signature]* Date: 12/18/2025

Observed Temp. °C: 33.3
 Corrected Temp. °C: 33.6
 Sample Condition: Cool Intact

Turnaround Time: Standard Rush
 Thermometer ID: #113
 Correction Factor: 0.5°C

Verbal Result: Yes No
 All Results are emailed. Please provide email address: TWargo@ensolium.com
 BBell@ensolium.com, TMorrissey@ensolium.com, jReich@ensolium.com
 THillard@ensolium.com, KThomason@ensolium.com, Richard.Kotzur@exxonmobil.com

REMARKS: Incident Number: rAPP2505230590
 Cost Center: 1081111001
 GFCM: 48605000

Bacteria (only) Sample Condition: Cool Intact
 Yes No
 Yes No
 Corrected Temp. °C



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

January 14, 2026

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

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

Enclosed are the results of analyses for samples received by the laboratory on 01/08/26 13:54.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

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:	01/08/2026	Sampling Date:	01/06/2026
Reported:	01/14/2026	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 32.093408-103.892262		

Sample ID: FS01 1' (H260106-01)

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	01/09/2026	ND	1.94	97.0	2.00	6.90	
Toluene*	<0.050	0.050	01/09/2026	ND	1.96	98.2	2.00	6.02	
Ethylbenzene*	<0.050	0.050	01/09/2026	ND	1.95	97.3	2.00	6.05	
Total Xylenes*	<0.150	0.150	01/09/2026	ND	5.77	96.2	6.00	6.32	
Total BTEX	<0.300	0.300	01/09/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	01/09/2026	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/09/2026	ND	174	87.2	200	3.96	
DRO >C10-C28*	<10.0	10.0	01/09/2026	ND	168	84.1	200	4.91	
EXT DRO >C28-C36	<10.0	10.0	01/09/2026	ND					

Surrogate: 1-Chlorooctane 85.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 90.5 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/08/2026	Sampling Date:	01/06/2026
Reported:	01/14/2026	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 32.093408-103.892262		

Sample ID: CS09 1' (H260106-02)

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	01/09/2026	ND	2.14	107	2.00	4.45	
Toluene*	<0.050	0.050	01/09/2026	ND	2.23	111	2.00	0.734	
Ethylbenzene*	<0.050	0.050	01/09/2026	ND	2.17	109	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/09/2026	ND	6.73	112	6.00	1.90	
Total BTEX	<0.300	0.300	01/09/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	01/09/2026	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/09/2026	ND	174	87.2	200	3.96	
DRO >C10-C28*	<10.0	10.0	01/09/2026	ND	168	84.1	200	4.91	
EXT DRO >C28-C36	<10.0	10.0	01/09/2026	ND					

Surrogate: 1-Chlorooctane 78.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.9 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/08/2026	Sampling Date:	01/06/2026
Reported:	01/14/2026	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 32.093408-103.892262		

Sample ID: FS02 1' (H260106-03)

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	01/09/2026	ND	2.14	107	2.00	4.45	
Toluene*	<0.050	0.050	01/09/2026	ND	2.23	111	2.00	0.734	
Ethylbenzene*	<0.050	0.050	01/09/2026	ND	2.17	109	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/09/2026	ND	6.73	112	6.00	1.90	
Total BTEX	<0.300	0.300	01/09/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	01/09/2026	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/09/2026	ND	174	87.2	200	3.96	
DRO >C10-C28*	<10.0	10.0	01/09/2026	ND	168	84.1	200	4.91	
EXT DRO >C28-C36	<10.0	10.0	01/09/2026	ND					

Surrogate: 1-Chlorooctane 84.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 89.3 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/08/2026	Sampling Date:	01/06/2026
Reported:	01/14/2026	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 32.093408-103.892262		

Sample ID: FS03 1' (H260106-04)

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	01/09/2026	ND	2.14	107	2.00	4.45	
Toluene*	<0.050	0.050	01/09/2026	ND	2.23	111	2.00	0.734	
Ethylbenzene*	<0.050	0.050	01/09/2026	ND	2.17	109	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/09/2026	ND	6.73	112	6.00	1.90	
Total BTEX	<0.300	0.300	01/09/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/09/2026	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/09/2026	ND	174	87.2	200	3.96	
DRO >C10-C28*	<10.0	10.0	01/09/2026	ND	168	84.1	200	4.91	
EXT DRO >C28-C36	<10.0	10.0	01/09/2026	ND					

Surrogate: 1-Chlorooctane 90.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 96.8 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/08/2026	Sampling Date:	01/06/2026
Reported:	01/14/2026	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 32.093408-103.892262		

Sample ID: FS07 1' (H260106-05)

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	01/09/2026	ND	2.14	107	2.00	4.45	
Toluene*	<0.050	0.050	01/09/2026	ND	2.23	111	2.00	0.734	
Ethylbenzene*	<0.050	0.050	01/09/2026	ND	2.17	109	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/09/2026	ND	6.73	112	6.00	1.90	
Total BTEX	<0.300	0.300	01/09/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	01/09/2026	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/09/2026	ND	174	87.2	200	3.96	
DRO >C10-C28*	<10.0	10.0	01/09/2026	ND	168	84.1	200	4.91	
EXT DRO >C28-C36	<10.0	10.0	01/09/2026	ND					

Surrogate: 1-Chlorooctane 76.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.0 % 39.9-141

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/08/2026	Sampling Date:	01/06/2026
Reported:	01/14/2026	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 32.093408-103.892262		

Sample ID: CS10 1' (H260106-06)

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	01/09/2026	ND	2.14	107	2.00	4.45	
Toluene*	<0.050	0.050	01/09/2026	ND	2.23	111	2.00	0.734	
Ethylbenzene*	<0.050	0.050	01/09/2026	ND	2.17	109	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/09/2026	ND	6.73	112	6.00	1.90	
Total BTEX	<0.300	0.300	01/09/2026	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/09/2026	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/09/2026	ND	181	90.5	200	4.15	
DRO >C10-C28*	<10.0	10.0	01/09/2026	ND	201	100	200	4.89	
EXT DRO >C28-C36	<10.0	10.0	01/09/2026	ND					

Surrogate: 1-Chlorooctane 75.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 79.9 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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January 14, 2026

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

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

Enclosed are the results of analyses for samples received by the laboratory on 01/08/26 13:54.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

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:	01/08/2026	Sampling Date:	01/07/2026
Reported:	01/14/2026	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 32.093408-103.892262		

Sample ID: SW 04 0-1 (H260107-01)

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	01/09/2026	ND	2.14	107	2.00	4.45	
Toluene*	<0.050	0.050	01/09/2026	ND	2.23	111	2.00	0.734	
Ethylbenzene*	<0.050	0.050	01/09/2026	ND	2.17	109	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/09/2026	ND	6.73	112	6.00	1.90	
Total BTEX	<0.300	0.300	01/09/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	01/09/2026	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/09/2026	ND	181	90.5	200	4.15	
DRO >C10-C28*	18.5	10.0	01/09/2026	ND	201	100	200	4.89	
EXT DRO >C28-C36	<10.0	10.0	01/09/2026	ND					

Surrogate: 1-Chlorooctane 88.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 93.2 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/08/2026	Sampling Date:	01/07/2026
Reported:	01/14/2026	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 32.093408-103.892262		

Sample ID: SW 05 0-2 (H260107-02)

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	01/09/2026	ND	2.14	107	2.00	4.45	
Toluene*	<0.050	0.050	01/09/2026	ND	2.23	111	2.00	0.734	
Ethylbenzene*	<0.050	0.050	01/09/2026	ND	2.17	109	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/09/2026	ND	6.73	112	6.00	1.90	
Total BTEX	<0.300	0.300	01/09/2026	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/09/2026	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/09/2026	ND	181	90.5	200	4.15	
DRO >C10-C28*	<10.0	10.0	01/09/2026	ND	201	100	200	4.89	
EXT DRO >C28-C36	<10.0	10.0	01/09/2026	ND					

Surrogate: 1-Chlorooctane 86.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 89.1 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/08/2026	Sampling Date:	01/07/2026
Reported:	01/14/2026	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 32.093408-103.892262		

Sample ID: FS 04 2 (H260107-03)

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	01/09/2026	ND	2.14	107	2.00	4.45		
Toluene*	<0.050	0.050	01/09/2026	ND	2.23	111	2.00	0.734		
Ethylbenzene*	<0.050	0.050	01/09/2026	ND	2.17	109	2.00	1.91		
Total Xylenes*	<0.150	0.150	01/09/2026	ND	6.73	112	6.00	1.90		
Total BTEX	<0.300	0.300	01/09/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	01/09/2026	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: JF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/09/2026	ND	181	90.5	200	4.15		
DRO >C10-C28*	<10.0	10.0	01/09/2026	ND	201	100	200	4.89		
EXT DRO >C28-C36	<10.0	10.0	01/09/2026	ND						

Surrogate: 1-Chlorooctane 80.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/08/2026	Sampling Date:	01/07/2026
Reported:	01/14/2026	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 32.093408-103.892262		

Sample ID: FS 24 2 (H260107-04)

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	01/09/2026	ND	2.14	107	2.00	4.45	
Toluene*	<0.050	0.050	01/09/2026	ND	2.23	111	2.00	0.734	
Ethylbenzene*	<0.050	0.050	01/09/2026	ND	2.17	109	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/09/2026	ND	6.73	112	6.00	1.90	
Total BTEX	<0.300	0.300	01/09/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/09/2026	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/09/2026	ND	181	90.5	200	4.15	
DRO >C10-C28*	321	10.0	01/09/2026	ND	201	100	200	4.89	
EXT DRO >C28-C36	74.4	10.0	01/09/2026	ND					

Surrogate: 1-Chlorooctane 80.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1-1

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC
 Project Manager: Tracy Hillard
 Address: 601 N Marientfeld Street, Suite 400
 City: Midland
 Phone #: (575) 937-3906
 Project #: 03C1558615
 Project Name: PLU Ross Ranch 33-25-30 USA Battery
 Project Location: 32.093408, -103.892262
 Sampler Name: Trevor Wargo

P.O. #: _____
 Company: XTO Energy, Inc
 Attn: Dale Woodall
 Address: 3014 E Greene St
 City: Carlsbad
 State: NM Zip: 88220
 Phone #: _____
 Fax #: _____

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	MATRIX						DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500
				# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE					
Hand 107	SW04	0-1	CT	↑	↑	↑	↑	↑	↑	1/7/25	9:48	↑	↑	↑
	SW05	0-2	CT	↑	↑	↑	↑	↑	↑		13:19	↑	↑	↑
	FS04	2	CT	↑	↑	↑	↑	↑	↑		14:02	↑	↑	↑
	FS24													

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Relinquished By: *Trevor Wargo*
 Received By: *Trevor Wargo*
 Date: 1-8-26
 Time: 1:55 PM

Observed Temp. °C: 0.46
 Corrected Temp. °C: 0.36

Sample Condition: Cool Intact Yes No

Turnaround Time: Standard Add'l Phone #: _____

Thermometer ID: 443 #140
 Correction Factor: 0.5°C

Bacteria (only) Sample Condition: Cool Intact Yes No

PS-0402015-022

TBW



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Tacoma Morrissey
 Ensolum
 601 N. Marienfeld St.
 Suite 400
 Midland, Texas 79701

Generated 1/13/2026 7:03:12 AM

JOB DESCRIPTION

PLU ROSS RANCH 33-25-30 USA BATTERY
 03C1558615

JOB NUMBER

890-9335-1

Eurofins Carlsbad
 1089 N Canal St.
 Carlsbad NM 88220



Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
1/13/2026 7:03:12 AM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

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Client: Ensolum
Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Laboratory Job ID: 890-9335-1
SDG: 03C1558615

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Definitions/Glossary

Client: Ensolum
Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9335-1
SDG: 03C1558615

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ensolum
Project: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9335-1

Job ID: 890-9335-1

Eurofins Carlsbad

Job Narrative 890-9335-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 1/9/2026 1:31 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.8°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW 08 (890-9335-1), CS 33 (890-9335-2) and CS 34 (890-9335-3).

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-128673/2-A) and (LCSD 880-128673/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

Method SM4500_Cl_E - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-128699 and analytical batch 880-128732 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9335-1
 SDG: 03C1558615

Client Sample ID: SW 08

Lab Sample ID: 890-9335-1

Date Collected: 01/09/26 10:31

Matrix: Solid

Date Received: 01/09/26 13:31

Sample Depth: 0-2

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		01/12/26 12:48	01/12/26 18:22	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/12/26 12:48	01/12/26 18:22	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/12/26 12:48	01/12/26 18:22	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		01/12/26 12:48	01/12/26 18:22	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/12/26 12:48	01/12/26 18:22	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		01/12/26 12:48	01/12/26 18:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	01/12/26 12:48	01/12/26 18:22	1
1,4-Difluorobenzene (Surr)	91		70 - 130	01/12/26 12:48	01/12/26 18:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			01/12/26 18:22	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	mg/Kg			01/12/26 10:23	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	mg/Kg		01/09/26 19:31	01/12/26 10:23	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		01/09/26 19:31	01/12/26 10:23	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		01/09/26 19:31	01/12/26 10:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	01/09/26 19:31	01/12/26 10:23	1
o-Terphenyl	103		70 - 130	01/09/26 19:31	01/12/26 10:23	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SM 4500 Cl- E)	35.7	F1	20.2	mg/Kg			01/12/26 10:19	1

Client Sample ID: CS 33

Lab Sample ID: 890-9335-2

Date Collected: 01/09/26 10:25

Matrix: Solid

Date Received: 01/09/26 13:31

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/12/26 12:48	01/12/26 18:43	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/12/26 12:48	01/12/26 18:43	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/12/26 12:48	01/12/26 18:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/12/26 12:48	01/12/26 18:43	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/12/26 12:48	01/12/26 18:43	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/12/26 12:48	01/12/26 18:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	01/12/26 12:48	01/12/26 18:43	1

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Client Sample Results

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9335-1
 SDG: 03C1558615

Client Sample ID: CS 33

Lab Sample ID: 890-9335-2

Date Collected: 01/09/26 10:25

Matrix: Solid

Date Received: 01/09/26 13:31

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	94		70 - 130	01/12/26 12:48	01/12/26 18:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/12/26 18:43	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3	mg/Kg			01/12/26 11:18	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3	mg/Kg		01/09/26 19:31	01/12/26 11:18	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3	mg/Kg		01/09/26 19:31	01/12/26 11:18	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		01/09/26 19:31	01/12/26 11:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	01/09/26 19:31	01/12/26 11:18	1
o-Terphenyl	102		70 - 130	01/09/26 19:31	01/12/26 11:18	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SM 4500 Cl- E)	76.1		20.1	mg/Kg			01/12/26 10:21	1

Client Sample ID: CS 34

Lab Sample ID: 890-9335-3

Date Collected: 01/08/26 14:15

Matrix: Solid

Date Received: 01/09/26 13:31

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/12/26 12:48	01/12/26 19:03	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/12/26 12:48	01/12/26 19:03	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/12/26 12:48	01/12/26 19:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		01/12/26 12:48	01/12/26 19:03	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/12/26 12:48	01/12/26 19:03	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/12/26 12:48	01/12/26 19:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	01/12/26 12:48	01/12/26 19:03	1
1,4-Difluorobenzene (Surr)	92		70 - 130	01/12/26 12:48	01/12/26 19:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			01/12/26 19:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/12/26 11:32	1

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Client Sample Results

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9335-1
 SDG: 03C1558615

Client Sample ID: CS 34

Lab Sample ID: 890-9335-3

Date Collected: 01/08/26 14:15

Matrix: Solid

Date Received: 01/09/26 13:31

Sample Depth: 1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/09/26 19:31	01/12/26 11:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/09/26 19:31	01/12/26 11:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/09/26 19:31	01/12/26 11:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	01/09/26 19:31	01/12/26 11:32	1
o-Terphenyl	100		70 - 130	01/09/26 19:31	01/12/26 11:32	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SM 4500 Cl- E)	103		20.2	mg/Kg			01/12/26 10:21	1

Surrogate Summary

Client: Ensolum
Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9335-1
SDG: 03C1558615

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-66756-A-1-E MS	Matrix Spike	109	95
880-66756-A-1-F MSD	Matrix Spike Duplicate	110	91
890-9335-1	SW 08	108	91
890-9335-2	CS 33	111	94
890-9335-3	CS 34	114	92
LCS 880-128618/1-A	Lab Control Sample	109	94
LCSD 880-128618/2-A	Lab Control Sample Dup	114	91
MB 880-128618/5-A	Method Blank	109	87

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-9335-1	SW 08	105	103
890-9335-1 MS	SW 08	120	105
890-9335-1 MSD	SW 08	121	103
890-9335-2	CS 33	104	102
890-9335-3	CS 34	104	100
LCS 880-128673/2-A	Lab Control Sample	133 S1+	117
LCSD 880-128673/3-A	Lab Control Sample Dup	132 S1+	118
MB 880-128673/1-A	Method Blank	110	108

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9335-1
 SDG: 03C1558615

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-128618/5-A
 Matrix: Solid
 Analysis Batch: 128701

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 128618

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/09/26 12:48	01/12/26 13:23	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/09/26 12:48	01/12/26 13:23	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/09/26 12:48	01/12/26 13:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		01/09/26 12:48	01/12/26 13:23	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/09/26 12:48	01/12/26 13:23	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/09/26 12:48	01/12/26 13:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	01/09/26 12:48	01/12/26 13:23	1
1,4-Difluorobenzene (Surr)	87		70 - 130	01/09/26 12:48	01/12/26 13:23	1

Lab Sample ID: LCS 880-128618/1-A
 Matrix: Solid
 Analysis Batch: 128701

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 128618

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1145		mg/Kg		114	70 - 130
Toluene	0.100	0.1083		mg/Kg		108	70 - 130
Ethylbenzene	0.100	0.1153		mg/Kg		115	70 - 130
m-Xylene & p-Xylene	0.200	0.2249		mg/Kg		112	70 - 130
o-Xylene	0.100	0.1137		mg/Kg		114	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: LCSD 880-128618/2-A
 Matrix: Solid
 Analysis Batch: 128701

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 128618

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1145		mg/Kg		114	70 - 130	0	35
Toluene	0.100	0.1115		mg/Kg		111	70 - 130	3	35
Ethylbenzene	0.100	0.1178		mg/Kg		118	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2304		mg/Kg		115	70 - 130	2	35
o-Xylene	0.100	0.1165		mg/Kg		117	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: 880-66756-A-1-E MS
 Matrix: Solid
 Analysis Batch: 128701

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 128618

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.07386		mg/Kg		74	70 - 130
Toluene	<0.00200	U F1	0.100	0.05807	F1	mg/Kg		58	70 - 130

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QC Sample Results

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9335-1
 SDG: 03C1558615

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-66756-A-1-E MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 128701

Prep Batch: 128618

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Ethylbenzene	<0.00200	U F1	0.100	0.01447	F1	mg/Kg		14	70 - 130
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.07149	F1	mg/Kg		36	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.06411	F1	mg/Kg		64	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-66756-A-1-F MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 128701

Prep Batch: 128618

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00200	U	0.100	0.07268		mg/Kg		73	70 - 130	2	35
Toluene	<0.00200	U F1	0.100	0.06189	F1	mg/Kg		62	70 - 130	6	35
Ethylbenzene	<0.00200	U F1	0.100	0.01518	F1	mg/Kg		15	70 - 130	5	35
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.08824	F1	mg/Kg		44	70 - 130	21	35
o-Xylene	<0.00200	U F1	0.100	0.08134		mg/Kg		81	70 - 130	24	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-128673/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 128717

Prep Batch: 128673

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/09/26 19:31	01/12/26 08:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/09/26 19:31	01/12/26 08:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/09/26 19:31	01/12/26 08:58	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	110		70 - 130	01/09/26 19:31	01/12/26 08:58	1
o-Terphenyl	108		70 - 130	01/09/26 19:31	01/12/26 08:58	1

Lab Sample ID: LCS 880-128673/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 128717

Prep Batch: 128673

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	1272		mg/Kg		127	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1172		mg/Kg		117	70 - 130

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QC Sample Results

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9335-1
 SDG: 03C1558615

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-128673/2-A
Matrix: Solid
Analysis Batch: 128717

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 128673

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	133	S1+	70 - 130
o-Terphenyl	117		70 - 130

Lab Sample ID: LCSD 880-128673/3-A
Matrix: Solid
Analysis Batch: 128717

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 128673

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec		RPD	Limit
		Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	1273		mg/Kg		127	70 - 130	0		20
Diesel Range Organics (Over C10-C28)	1000	1164		mg/Kg		116	70 - 130	1		20

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	132	S1+	70 - 130
o-Terphenyl	118		70 - 130

Lab Sample ID: 890-9335-1 MS
Matrix: Solid
Analysis Batch: 128717

Client Sample ID: SW 08
Prep Type: Total/NA
Prep Batch: 128673

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1000	911.6		mg/Kg		91	70 - 130			
Diesel Range Organics (Over C10-C28)	<50.1	U	1000	790.5		mg/Kg		76	70 - 130			

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	120		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: 890-9335-1 MSD
Matrix: Solid
Analysis Batch: 128717

Client Sample ID: SW 08
Prep Type: Total/NA
Prep Batch: 128673

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1000	943.3		mg/Kg		94	70 - 130	3		20
Diesel Range Organics (Over C10-C28)	<50.1	U	1000	800.3		mg/Kg		77	70 - 130	1		20

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	121		70 - 130
o-Terphenyl	103		70 - 130

QC Sample Results

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9335-1
 SDG: 03C1558615

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 880-128699/1-A
 Matrix: Solid
 Analysis Batch: 128732

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<20.0	U	20.0	mg/Kg			01/12/26 10:18	1

Lab Sample ID: LCS 880-128699/2-A
 Matrix: Solid
 Analysis Batch: 128732

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	80.0	80.43		mg/Kg		101	85 - 115

Lab Sample ID: LCSD 880-128699/3-A
 Matrix: Solid
 Analysis Batch: 128732

Client Sample ID: Lab Control Sample Dup
 Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	80.0	84.54		mg/Kg		106	85 - 115	5	15

Lab Sample ID: 890-9335-1 MS
 Matrix: Solid
 Analysis Batch: 128732

Client Sample ID: SW 08
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	35.7	F1	80.6	138.2	F1	mg/Kg		127	85 - 115

Lab Sample ID: 890-9335-1 MSD
 Matrix: Solid
 Analysis Batch: 128732

Client Sample ID: SW 08
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	35.7	F1	80.6	140.7	F1	mg/Kg		130	85 - 115	2	15

QC Association Summary

Client: Ensolum
Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9335-1
SDG: 03C1558615

GC VOA

Prep Batch: 128618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9335-1	SW 08	Total/NA	Solid	5035	
890-9335-2	CS 33	Total/NA	Solid	5035	
890-9335-3	CS 34	Total/NA	Solid	5035	
MB 880-128618/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-128618/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-128618/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-66756-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-66756-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 128701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9335-1	SW 08	Total/NA	Solid	8021B	128618
890-9335-2	CS 33	Total/NA	Solid	8021B	128618
890-9335-3	CS 34	Total/NA	Solid	8021B	128618
MB 880-128618/5-A	Method Blank	Total/NA	Solid	8021B	128618
LCS 880-128618/1-A	Lab Control Sample	Total/NA	Solid	8021B	128618
LCSD 880-128618/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	128618
880-66756-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	128618
880-66756-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	128618

Analysis Batch: 128826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9335-1	SW 08	Total/NA	Solid	Total BTEX	
890-9335-2	CS 33	Total/NA	Solid	Total BTEX	
890-9335-3	CS 34	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 128673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9335-1	SW 08	Total/NA	Solid	8015NM Prep	
890-9335-2	CS 33	Total/NA	Solid	8015NM Prep	
890-9335-3	CS 34	Total/NA	Solid	8015NM Prep	
MB 880-128673/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-128673/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-128673/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9335-1 MS	SW 08	Total/NA	Solid	8015NM Prep	
890-9335-1 MSD	SW 08	Total/NA	Solid	8015NM Prep	

Analysis Batch: 128717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9335-1	SW 08	Total/NA	Solid	8015B NM	128673
890-9335-2	CS 33	Total/NA	Solid	8015B NM	128673
890-9335-3	CS 34	Total/NA	Solid	8015B NM	128673
MB 880-128673/1-A	Method Blank	Total/NA	Solid	8015B NM	128673
LCS 880-128673/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	128673
LCSD 880-128673/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	128673
890-9335-1 MS	SW 08	Total/NA	Solid	8015B NM	128673
890-9335-1 MSD	SW 08	Total/NA	Solid	8015B NM	128673

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9335-1
 SDG: 03C1558615

GC Semi VOA

Analysis Batch: 128770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9335-1	SW 08	Total/NA	Solid	8015 NM	
890-9335-2	CS 33	Total/NA	Solid	8015 NM	
890-9335-3	CS 34	Total/NA	Solid	8015 NM	

General Chemistry

Leach Batch: 128699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9335-1	SW 08	Soluble	Solid	DI Leach	
890-9335-2	CS 33	Soluble	Solid	DI Leach	
890-9335-3	CS 34	Soluble	Solid	DI Leach	
MB 880-128699/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-128699/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-128699/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9335-1 MS	SW 08	Soluble	Solid	DI Leach	
890-9335-1 MSD	SW 08	Soluble	Solid	DI Leach	

Analysis Batch: 128732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9335-1	SW 08	Soluble	Solid	SM 4500 CI- E	128699
890-9335-2	CS 33	Soluble	Solid	SM 4500 CI- E	128699
890-9335-3	CS 34	Soluble	Solid	SM 4500 CI- E	128699
MB 880-128699/1-A	Method Blank	Soluble	Solid	SM 4500 CI- E	128699
LCS 880-128699/2-A	Lab Control Sample	Soluble	Solid	SM 4500 CI- E	128699
LCSD 880-128699/3-A	Lab Control Sample Dup	Soluble	Solid	SM 4500 CI- E	128699
890-9335-1 MS	SW 08	Soluble	Solid	SM 4500 CI- E	128699
890-9335-1 MSD	SW 08	Soluble	Solid	SM 4500 CI- E	128699

Lab Chronicle

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9335-1
 SDG: 03C1558615

Client Sample ID: SW 08

Lab Sample ID: 890-9335-1

Date Collected: 01/09/26 10:31

Matrix: Solid

Date Received: 01/09/26 13:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	128618	01/12/26 12:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	128701	01/12/26 18:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			128826	01/12/26 18:22	AJ	EET MID
Total/NA	Analysis	8015 NM		1			128770	01/12/26 10:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	128673	01/09/26 19:31	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128717	01/12/26 10:23	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	10 mL	128699	01/12/26 07:53	SA	EET MID
Soluble	Analysis	SM 4500 CI- E		1	10 mL	10 mL	128732	01/12/26 10:19	CS	EET MID

Client Sample ID: CS 33

Lab Sample ID: 890-9335-2

Date Collected: 01/09/26 10:25

Matrix: Solid

Date Received: 01/09/26 13:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	128618	01/12/26 12:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	128701	01/12/26 18:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			128826	01/12/26 18:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			128770	01/12/26 11:18	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10.00 mL	128673	01/09/26 19:31	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128717	01/12/26 11:18	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	10 mL	128699	01/12/26 07:53	SA	EET MID
Soluble	Analysis	SM 4500 CI- E		1	10 mL	10 mL	128732	01/12/26 10:21	CS	EET MID

Client Sample ID: CS 34

Lab Sample ID: 890-9335-3

Date Collected: 01/08/26 14:15

Matrix: Solid

Date Received: 01/09/26 13:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	128618	01/12/26 12:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	128701	01/12/26 19:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			128826	01/12/26 19:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			128770	01/12/26 11:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	128673	01/09/26 19:31	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128717	01/12/26 11:32	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	10 mL	128699	01/12/26 07:53	SA	EET MID
Soluble	Analysis	SM 4500 CI- E		1	10 mL	10 mL	128732	01/12/26 10:21	CS	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Ensolum
Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9335-1
SDG: 03C1558615

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
SM 4500 Cl- E		Solid	Chloride
Total BTEX		Solid	Total BTEX

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Method Summary

Client: Ensolum
Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9335-1
SDG: 03C1558615

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
SM 4500 Cl- E	Chloride, Total	SM	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- SM = "Standard Methods For The Examination Of Water And Wastewater"
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Sample Summary

Client: Ensolum
Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9335-1
SDG: 03C1558615

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9335-1	SW 08	Solid	01/09/26 10:31	01/09/26 13:31	0-2
890-9335-2	CS 33	Solid	01/09/26 10:25	01/09/26 13:31	1
890-9335-3	CS 34	Solid	01/08/26 14:15	01/09/26 13:31	1

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9335

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 986-3199



Environment Testing
 Xenco

Work Order No:

Page 1 of 1

www.xenco.com

Work Order Comments

Program: UST/PST PRP Brownfields RRC Superfund

State of Project: Level II Level III PST/UST TRRP Level IV

Deliverables: EDD ADaPT Other:

Project Manager: Tracy Hillard
 Company Name: Ensolum
 Address: 3122 National Parks Hwy
 City, State ZIP: Carlsbad, NM 88220
 Phone: (575) 937-3906
 Email: thillard@ensolum.com

Date Woodall
 Company Name: XTO Energy, Inc
 Address: 3104 E Greene St
 City, State ZIP: Carlsbad, NM, 88220
 Email: thillard@ensolum.com, TMorrissey@ensolum.com

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

Project Number: 03C1558615

Project Location: 32,093408, -103.892262

Sampler's Name: Trevor Wargo

PO #:

SAMPLE RECEIPT Temp Blank: Yes No Wet Ice: Yes No

Samples Received Intact: Yes No Thermometer ID: 711224

Cooler Custody Seals: Yes No Correction Factor: -0.2

Sample Custody Seals: Yes No Temperature Reading: 6.8

Total Containers: 5.8 Corrected Temperature:

Turn Around: Routine Rush 24 hrs. Code

Due Date: 1/12/26

TAT starts the day received by the lab, if received by 4:30pm

Parameters

ANALY:

Res. Code

Sample Identification

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont
CSW08	Soil	1/9/26	10:31	0-2	C	1
CS33	↓	1/8/26	10:25	↓	↓	↓
CS34	↓	1/8/26	14:15	↓	↓	↓

Circle Method(s) and Metal(s) to be analyzed: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
 TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Preservative Codes

ie: NO DI Water: H₂O
 MeOH: Me
 HNO₃: HN
 O₂: H₂
 O₄: HP
 ISO₄: NABIS
 S₂O₃: NaSO₃
 Acetate+NaOH: Zn
 H+Ascorbic Acid: SACP

Barcode: 890-9335 Chain of Custody

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Trevor Wargo</i>	<i>[Signature]</i>	1-9 1331			

Revised Date: 09/25/2020 Rev. 2020.2

twargo@ensolum.com

Incident #: NAPP2605230590
 CC: 108111001
 GFCM: 48605000



Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9335-1

SDG Number: 03C1558615

Login Number: 9335

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9335-1

SDG Number: 03C1558615

Login Number: 9335

List Source: Eurofins Midland

List Number: 2

List Creation: 01/12/26 08:45 AM

Creator: Johnson, Allison

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Tracy Hillard
 Ensolum
 601 N. Marienfeld St.
 Suite 400
 Midland, Texas 79701
 Generated 1/15/2026 3:48:10 PM

JOB DESCRIPTION

PLU ROSS RANCH 33-25-30 USA BATTERY
 03C1558615

JOB NUMBER

890-9336-1

Eurofins Carlsbad
 1089 N Canal St.
 Carlsbad NM 88220



Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
1/15/2026 3:48:10 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

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Client: Ensolum
Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Laboratory Job ID: 890-9336-1
SDG: 03C1558615

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Definitions/Glossary

Client: Ensolum
Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9336-1
SDG: 03C1558615

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ensolum
Project: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9336-1

Job ID: 890-9336-1

Eurofins Carlsbad

Job Narrative 890-9336-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 1/9/2026 1:31 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.8°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: FS 08 (890-9336-1), FS 18 (890-9336-2), SW 03 (890-9336-3), SW 06 (890-9336-4), CS 19 (890-9336-5), FS 11 (890-9336-6), FS 06 (890-9336-7), FS 12 (890-9336-8) and SW 07 (890-9336-9).

GC VOA

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-128902 and analytical batch 880-128830 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-128738/1-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-128738 and analytical batch 880-128829 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: FS 12 (890-9336-8), (CCV 880-128829/51), (CCV 880-128829/64) and (880-66808-A-101-G). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (CCV 880-128917/20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside the upper control limit: FS 11 (890-9336-6). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-128921/1-A). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: FS 08 (890-9336-1), FS 18 (890-9336-2), SW 03 (890-9336-3), SW 06 (890-9336-4), FS 11 (890-9336-6) and FS 06 (890-9336-7). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: FS 12 (890-9336-8). Evidence of matrix interferences is not obvious.

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Case Narrative

Client: Ensolum
Project: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9336-1

Job ID: 890-9336-1 (Continued)

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Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (890-9336-A-8-I MS) and (890-9336-A-8-J MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: CS 19 (890-9336-5). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SW 07 (890-9336-9). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-128962 and analytical batch 880-128996 was outside the upper control limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-128400 and analytical batch 880-128996 was outside the upper control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

Method SM4500_Cl_E - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-128699 and analytical batch 880-128732 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.



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Client Sample Results

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9336-1
 SDG: 03C1558615

Client Sample ID: FS 08

Lab Sample ID: 890-9336-1

Date Collected: 01/08/26 09:52

Matrix: Solid

Date Received: 01/09/26 13:31

Sample Depth: 3

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		01/13/26 08:38	01/13/26 16:40	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/13/26 08:38	01/13/26 16:40	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/13/26 08:38	01/13/26 16:40	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		01/13/26 08:38	01/13/26 16:40	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/13/26 08:38	01/13/26 16:40	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		01/13/26 08:38	01/13/26 16:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	01/13/26 08:38	01/13/26 16:40	1
1,4-Difluorobenzene (Surr)	92		70 - 130	01/13/26 08:38	01/13/26 16:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			01/13/26 16:40	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/15/26 07:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/07/26 16:01	01/15/26 07:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/07/26 16:01	01/15/26 07:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/07/26 16:01	01/15/26 07:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130	01/07/26 16:01	01/15/26 07:54	1
o-Terphenyl	150	S1+	70 - 130	01/07/26 16:01	01/15/26 07:54	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SM 4500 Cl- E)	246		99.6	mg/Kg			01/12/26 10:22	5

Client Sample ID: FS 18

Lab Sample ID: 890-9336-2

Date Collected: 01/08/26 09:56

Matrix: Solid

Date Received: 01/09/26 13:31

Sample Depth: 3

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/13/26 08:38	01/13/26 17:00	1
Toluene	0.00465		0.00199	mg/Kg		01/13/26 08:38	01/13/26 17:00	1
Ethylbenzene	0.00208		0.00199	mg/Kg		01/13/26 08:38	01/13/26 17:00	1
m-Xylene & p-Xylene	0.00557		0.00398	mg/Kg		01/13/26 08:38	01/13/26 17:00	1
o-Xylene	0.00221		0.00199	mg/Kg		01/13/26 08:38	01/13/26 17:00	1
Xylenes, Total	0.00778		0.00398	mg/Kg		01/13/26 08:38	01/13/26 17:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	01/13/26 08:38	01/13/26 17:00	1

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Client Sample Results

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9336-1
 SDG: 03C1558615

Client Sample ID: FS 18

Lab Sample ID: 890-9336-2

Date Collected: 01/08/26 09:56

Matrix: Solid

Date Received: 01/09/26 13:31

Sample Depth: 3

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	87		70 - 130	01/13/26 08:38	01/13/26 17:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0145		0.00398	mg/Kg			01/13/26 17:00	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/15/26 08:36	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/07/26 16:01	01/15/26 08:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/07/26 16:01	01/15/26 08:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/07/26 16:01	01/15/26 08:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	150	S1+	70 - 130	01/07/26 16:01	01/15/26 08:36	1
o-Terphenyl	161	S1+	70 - 130	01/07/26 16:01	01/15/26 08:36	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SM 4500 Cl- E)	226		20.0	mg/Kg			01/12/26 10:22	1

Client Sample ID: SW 03

Lab Sample ID: 890-9336-3

Date Collected: 01/08/26 10:26

Matrix: Solid

Date Received: 01/09/26 13:31

Sample Depth: 0-3

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/13/26 08:38	01/13/26 17:21	1
Toluene	0.00249		0.00200	mg/Kg		01/13/26 08:38	01/13/26 17:21	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/13/26 08:38	01/13/26 17:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		01/13/26 08:38	01/13/26 17:21	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/13/26 08:38	01/13/26 17:21	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/13/26 08:38	01/13/26 17:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	01/13/26 08:38	01/13/26 17:21	1
1,4-Difluorobenzene (Surr)	83		70 - 130	01/13/26 08:38	01/13/26 17:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			01/13/26 17:21	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/15/26 08:50	1

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Client Sample Results

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9336-1
 SDG: 03C1558615

Client Sample ID: SW 03

Lab Sample ID: 890-9336-3

Date Collected: 01/08/26 10:26

Matrix: Solid

Date Received: 01/09/26 13:31

Sample Depth: 0-3

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/07/26 16:01	01/15/26 08:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/07/26 16:01	01/15/26 08:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/07/26 16:01	01/15/26 08:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130	01/07/26 16:01	01/15/26 08:50	1
o-Terphenyl	142	S1+	70 - 130	01/07/26 16:01	01/15/26 08:50	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SM 4500 Cl- E)	177		20.0	mg/Kg			01/12/26 10:24	1

Client Sample ID: SW 06

Lab Sample ID: 890-9336-4

Date Collected: 01/08/26 10:36

Matrix: Solid

Date Received: 01/09/26 13:31

Sample Depth: 0-1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		01/13/26 08:38	01/13/26 17:41	1
Toluene	0.00343		0.00198	mg/Kg		01/13/26 08:38	01/13/26 17:41	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		01/13/26 08:38	01/13/26 17:41	1
m-Xylene & p-Xylene	0.00437		0.00397	mg/Kg		01/13/26 08:38	01/13/26 17:41	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		01/13/26 08:38	01/13/26 17:41	1
Xylenes, Total	0.00437		0.00397	mg/Kg		01/13/26 08:38	01/13/26 17:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	01/13/26 08:38	01/13/26 17:41	1
1,4-Difluorobenzene (Surr)	84		70 - 130	01/13/26 08:38	01/13/26 17:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00780		0.00397	mg/Kg			01/13/26 17:41	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/15/26 09:04	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/07/26 16:01	01/15/26 09:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/07/26 16:01	01/15/26 09:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/07/26 16:01	01/15/26 09:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130	01/07/26 16:01	01/15/26 09:04	1
o-Terphenyl	139	S1+	70 - 130	01/07/26 16:01	01/15/26 09:04	1

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Client Sample Results

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9336-1
 SDG: 03C1558615

Client Sample ID: SW 06

Lab Sample ID: 890-9336-4

Date Collected: 01/08/26 10:36

Matrix: Solid

Date Received: 01/09/26 13:31

Sample Depth: 0-1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SM 4500 Cl- E)	102		20.2	mg/Kg			01/12/26 10:24	1

Client Sample ID: CS 19

Lab Sample ID: 890-9336-5

Date Collected: 01/08/26 11:09

Matrix: Solid

Date Received: 01/09/26 13:31

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		01/13/26 08:38	01/13/26 18:02	1
Toluene	0.00321		0.00201	mg/Kg		01/13/26 08:38	01/13/26 18:02	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/13/26 08:38	01/13/26 18:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		01/13/26 08:38	01/13/26 18:02	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/13/26 08:38	01/13/26 18:02	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/13/26 08:38	01/13/26 18:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130			01/13/26 08:38	01/13/26 18:02	1
1,4-Difluorobenzene (Surr)	86		70 - 130			01/13/26 08:38	01/13/26 18:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/13/26 18:02	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/15/26 09:18	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/07/26 16:01	01/15/26 09:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/07/26 16:01	01/15/26 09:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/07/26 16:01	01/15/26 09:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130			01/07/26 16:01	01/15/26 09:18	1
o-Terphenyl	138	S1+	70 - 130			01/07/26 16:01	01/15/26 09:18	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SM 4500 Cl- E)	35.4		19.9	mg/Kg			01/12/26 10:24	1

Client Sample Results

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9336-1
 SDG: 03C1558615

Client Sample ID: FS 11

Lab Sample ID: 890-9336-6

Date Collected: 01/08/26 11:55

Matrix: Solid

Date Received: 01/09/26 13:31

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		01/14/26 08:22	01/14/26 12:38	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/14/26 08:22	01/14/26 12:38	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/14/26 08:22	01/14/26 12:38	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		01/14/26 08:22	01/14/26 12:38	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/14/26 08:22	01/14/26 12:38	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/14/26 08:22	01/14/26 12:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	01/14/26 08:22	01/14/26 12:38	1
1,4-Difluorobenzene (Surr)	116		70 - 130	01/14/26 08:22	01/14/26 12:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/14/26 12:38	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/15/26 09:33	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/07/26 16:01	01/15/26 09:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/07/26 16:01	01/15/26 09:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/07/26 16:01	01/15/26 09:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130	01/07/26 16:01	01/15/26 09:33	1
o-Terphenyl	140	S1+	70 - 130	01/07/26 16:01	01/15/26 09:33	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SM 4500 Cl- E)	204		19.9	mg/Kg			01/12/26 10:25	1

Client Sample ID: FS 06

Lab Sample ID: 890-9336-7

Date Collected: 01/08/26 11:59

Matrix: Solid

Date Received: 01/09/26 13:31

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/14/26 08:22	01/14/26 12:59	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/14/26 08:22	01/14/26 12:59	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/14/26 08:22	01/14/26 12:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/14/26 08:22	01/14/26 12:59	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/14/26 08:22	01/14/26 12:59	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/14/26 08:22	01/14/26 12:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	01/14/26 08:22	01/14/26 12:59	1

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Client Sample Results

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9336-1
 SDG: 03C1558615

Client Sample ID: FS 06

Lab Sample ID: 890-9336-7

Date Collected: 01/08/26 11:59

Matrix: Solid

Date Received: 01/09/26 13:31

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	116		70 - 130	01/14/26 08:22	01/14/26 12:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/14/26 12:59	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/15/26 09:47	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/07/26 16:01	01/15/26 09:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/07/26 16:01	01/15/26 09:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/07/26 16:01	01/15/26 09:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130	01/07/26 16:01	01/15/26 09:47	1
o-Terphenyl	141	S1+	70 - 130	01/07/26 16:01	01/15/26 09:47	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SM 4500 Cl- E)	177		20.0	mg/Kg			01/12/26 10:25	1

Client Sample ID: FS 12

Lab Sample ID: 890-9336-8

Date Collected: 01/08/26 12:25

Matrix: Solid

Date Received: 01/09/26 13:31

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/12/26 10:50	01/14/26 06:34	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/12/26 10:50	01/14/26 06:34	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/12/26 10:50	01/14/26 06:34	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		01/12/26 10:50	01/14/26 06:34	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/12/26 10:50	01/14/26 06:34	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/12/26 10:50	01/14/26 06:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130	01/12/26 10:50	01/14/26 06:34	1
1,4-Difluorobenzene (Surr)	121		70 - 130	01/12/26 10:50	01/14/26 06:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			01/14/26 06:34	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4	mg/Kg			01/15/26 14:12	1

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Client Sample Results

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9336-1
 SDG: 03C1558615

Client Sample ID: FS 12

Lab Sample ID: 890-9336-8

Date Collected: 01/08/26 12:25

Matrix: Solid

Date Received: 01/09/26 13:31

Sample Depth: 1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4	mg/Kg		01/14/26 13:46	01/15/26 14:12	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4	mg/Kg		01/14/26 13:46	01/15/26 14:12	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		01/14/26 13:46	01/15/26 14:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130			01/14/26 13:46	01/15/26 14:12	1
o-Terphenyl	143	S1+	70 - 130			01/14/26 13:46	01/15/26 14:12	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SM 4500 Cl- E)	170	F1	20.0	mg/Kg			01/12/26 10:26	1

Client Sample ID: SW 07

Lab Sample ID: 890-9336-9

Date Collected: 01/08/26 12:29

Matrix: Solid

Date Received: 01/09/26 13:31

Sample Depth: 0-1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/13/26 16:42	01/14/26 04:01	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/13/26 16:42	01/14/26 04:01	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/13/26 16:42	01/14/26 04:01	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		01/13/26 16:42	01/14/26 04:01	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/13/26 16:42	01/14/26 04:01	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/13/26 16:42	01/14/26 04:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			01/13/26 16:42	01/14/26 04:01	1
1,4-Difluorobenzene (Surr)	83		70 - 130			01/13/26 16:42	01/14/26 04:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/14/26 04:01	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2	mg/Kg			01/15/26 15:50	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2	mg/Kg		01/14/26 13:46	01/15/26 15:50	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		01/14/26 13:46	01/15/26 15:50	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		01/14/26 13:46	01/15/26 15:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130			01/14/26 13:46	01/15/26 15:50	1
o-Terphenyl	138	S1+	70 - 130			01/14/26 13:46	01/15/26 15:50	1

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Client Sample Results

Client: Ensolum
Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9336-1
SDG: 03C1558615

Client Sample ID: SW 07

Lab Sample ID: 890-9336-9

Date Collected: 01/08/26 12:29

Matrix: Solid

Date Received: 01/09/26 13:31

Sample Depth: 0-1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SM 4500 Cl- E)	197		19.8	mg/Kg			01/12/26 10:27	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Surrogate Summary

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9336-1
 SDG: 03C1558615

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-66808-A-101-E MS	Matrix Spike	124	96
880-66808-A-101-F MSD	Matrix Spike Duplicate	113	86
880-66948-A-1-B MS	Matrix Spike	93	86
880-66948-A-1-C MSD	Matrix Spike Duplicate	113	81
890-9336-1	FS 08	112	92
890-9336-2	FS 18	103	87
890-9336-3	SW 03	100	83
890-9336-4	SW 06	114	84
890-9336-5	CS 19	106	86
890-9336-6	FS 11	131 S1+	116
890-9336-7	FS 06	103	116
890-9336-8	FS 12	133 S1+	121
890-9336-9	SW 07	103	83
890-9361-A-1-C MS	Matrix Spike	118	80
890-9361-A-1-D MSD	Matrix Spike Duplicate	119	85
LCS 880-128738/1-A	Lab Control Sample	133 S1+	105
LCS 880-128834/1-A	Lab Control Sample	109	90
LCS 880-128902/1-A	Lab Control Sample	95	86
LCS 880-128921/1-A	Lab Control Sample	135 S1+	98
LCSD 880-128738/2-A	Lab Control Sample Dup	105	85
LCSD 880-128834/2-A	Lab Control Sample Dup	92	101
LCSD 880-128902/2-A	Lab Control Sample Dup	102	91
LCSD 880-128921/2-A	Lab Control Sample Dup	108	82
MB 880-128738/5-A	Method Blank	127	94
MB 880-128834/5-A	Method Blank	112	76
MB 880-128837/5-A	Method Blank	117	97
MB 880-128902/5-A	Method Blank	110	75
MB 880-128921/5-A	Method Blank	125	88

Surrogate Legend
 BFB = 4-Bromofluorobenzene (Surr)
 DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-9336-1	FS 08	137 S1+	150 S1+
890-9336-1 MS	FS 08	124	120
890-9336-1 MSD	FS 08	124	117
890-9336-2	FS 18	150 S1+	161 S1+
890-9336-3	SW 03	133 S1+	142 S1+
890-9336-4	SW 06	132 S1+	139 S1+
890-9336-5	CS 19	125	138 S1+
890-9336-6	FS 11	132 S1+	140 S1+
890-9336-7	FS 06	133 S1+	141 S1+
890-9336-8	FS 12	134 S1+	143 S1+
890-9336-8 MS	FS 12	132 S1+	127

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Surrogate Summary

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9336-1
 SDG: 03C1558615

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-9336-8 MSD	FS 12	133 S1+	127
890-9336-9	SW 07	130	138 S1+
LCS 880-128400/2-A	Lab Control Sample	87	82
LCS 880-128962/2-A	Lab Control Sample	88	82
LCSD 880-128400/3-A	Lab Control Sample Dup	85	81
LCSD 880-128962/3-A	Lab Control Sample Dup	97	92
MB 880-128400/1-A	Method Blank	137 S1+	142 S1+
MB 880-128962/1-A	Method Blank	131 S1+	136 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

QC Sample Results

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9336-1
 SDG: 03C1558615

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-128738/5-A
 Matrix: Solid
 Analysis Batch: 128829

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 128738

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/12/26 10:50	01/13/26 22:31	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/12/26 10:50	01/13/26 22:31	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/12/26 10:50	01/13/26 22:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		01/12/26 10:50	01/13/26 22:31	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/12/26 10:50	01/13/26 22:31	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/12/26 10:50	01/13/26 22:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	01/12/26 10:50	01/13/26 22:31	1
1,4-Difluorobenzene (Surr)	94		70 - 130	01/12/26 10:50	01/13/26 22:31	1

Lab Sample ID: LCS 880-128738/1-A
 Matrix: Solid
 Analysis Batch: 128829

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 128738

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1010		mg/Kg		101	70 - 130
Toluene	0.100	0.09900		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1102		mg/Kg		110	70 - 130
m-Xylene & p-Xylene	0.200	0.2173		mg/Kg		109	70 - 130
o-Xylene	0.100	0.1075		mg/Kg		108	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-128738/2-A
 Matrix: Solid
 Analysis Batch: 128829

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 128738

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.08321		mg/Kg		83	70 - 130	19	35
Toluene	0.100	0.08290		mg/Kg		83	70 - 130	18	35
Ethylbenzene	0.100	0.09219		mg/Kg		92	70 - 130	18	35
m-Xylene & p-Xylene	0.200	0.1829		mg/Kg		91	70 - 130	17	35
o-Xylene	0.100	0.08982		mg/Kg		90	70 - 130	18	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

Lab Sample ID: 880-66808-A-101-E MS
 Matrix: Solid
 Analysis Batch: 128829

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 128738

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1 F2	0.100	0.08204		mg/Kg		82	70 - 130
Toluene	<0.00200	U F1 F2	0.100	0.08407		mg/Kg		84	70 - 130

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QC Sample Results

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9336-1
 SDG: 03C1558615

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-66808-A-101-E MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 128829

Prep Batch: 128738

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier		Added	Result				
Ethylbenzene	<0.00200	U F1	0.100	0.09239		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1845		mg/Kg		92	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.08835		mg/Kg		88	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	124		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-66808-A-101-F MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 128829

Prep Batch: 128738

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier		Added	Result						
Benzene	<0.00200	U F1 F2	0.100	0.05273	F1 F2	mg/Kg		53	70 - 130	43	35
Toluene	<0.00200	U F1 F2	0.100	0.05870	F1 F2	mg/Kg		59	70 - 130	36	35
Ethylbenzene	<0.00200	U F1	0.100	0.06774	F1	mg/Kg		68	70 - 130	31	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1421		mg/Kg		71	70 - 130	26	35
o-Xylene	<0.00200	U F1	0.100	0.06641	F1	mg/Kg		66	70 - 130	28	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: MB 880-128834/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 128830

Prep Batch: 128834

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	<0.00200	U	0.00200	mg/Kg		01/13/26 08:38	01/13/26 10:58	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/13/26 08:38	01/13/26 10:58	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/13/26 08:38	01/13/26 10:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		01/13/26 08:38	01/13/26 10:58	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/13/26 08:38	01/13/26 10:58	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/13/26 08:38	01/13/26 10:58	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	112		70 - 130	01/13/26 08:38	01/13/26 10:58	1
1,4-Difluorobenzene (Surr)	76		70 - 130	01/13/26 08:38	01/13/26 10:58	1

Lab Sample ID: LCS 880-128834/1-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 128830

Prep Batch: 128834

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
Benzene	0.100	0.09202		mg/Kg		92	70 - 130
Toluene	0.100	0.09767		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.08948		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	0.200	0.1830		mg/Kg		92	70 - 130

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QC Sample Results

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9336-1
 SDG: 03C1558615

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-128834/1-A
 Matrix: Solid
 Analysis Batch: 128830

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 128834

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.09351		mg/Kg		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: LCSD 880-128834/2-A
 Matrix: Solid
 Analysis Batch: 128830

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 128834

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09259		mg/Kg		93	70 - 130	1	35
Toluene	0.100	0.1004		mg/Kg		100	70 - 130	3	35
Ethylbenzene	0.100	0.09183		mg/Kg		92	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1832		mg/Kg		92	70 - 130	0	35
o-Xylene	0.100	0.09256		mg/Kg		93	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-128837/5-A
 Matrix: Solid
 Analysis Batch: 128829

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 128837

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/13/26 08:42	01/13/26 11:00	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/13/26 08:42	01/13/26 11:00	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/13/26 08:42	01/13/26 11:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		01/13/26 08:42	01/13/26 11:00	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/13/26 08:42	01/13/26 11:00	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/13/26 08:42	01/13/26 11:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	01/13/26 08:42	01/13/26 11:00	1
1,4-Difluorobenzene (Surr)	97		70 - 130	01/13/26 08:42	01/13/26 11:00	1

Lab Sample ID: MB 880-128902/5-A
 Matrix: Solid
 Analysis Batch: 128830

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 128902

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/13/26 16:42	01/13/26 21:58	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/13/26 16:42	01/13/26 21:58	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/13/26 16:42	01/13/26 21:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		01/13/26 16:42	01/13/26 21:58	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/13/26 16:42	01/13/26 21:58	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/13/26 16:42	01/13/26 21:58	1

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QC Sample Results

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9336-1
 SDG: 03C1558615

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	110		70 - 130	01/13/26 16:42	01/13/26 21:58	1
1,4-Difluorobenzene (Surr)	75		70 - 130	01/13/26 16:42	01/13/26 21:58	1

Lab Sample ID: LCS 880-128902/1-A
 Matrix: Solid
 Analysis Batch: 128830

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 128902

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	0.100	0.09878		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.08682		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1811		mg/Kg		91	70 - 130
o-Xylene	0.100	0.09213		mg/Kg		92	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: LCSD 880-128902/2-A
 Matrix: Solid
 Analysis Batch: 128830

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 128902

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Benzene	0.100	0.1019		mg/Kg		102	70 - 130	4	35
Toluene	0.100	0.1012		mg/Kg		101	70 - 130	2	35
Ethylbenzene	0.100	0.09619		mg/Kg		96	70 - 130	10	35
m-Xylene & p-Xylene	0.200	0.1996		mg/Kg		100	70 - 130	10	35
o-Xylene	0.100	0.1010		mg/Kg		101	70 - 130	9	35

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: 880-66948-A-1-B MS
 Matrix: Solid
 Analysis Batch: 128830

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 128902

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	<0.00201	U	0.0998	0.08304		mg/Kg		83	70 - 130
Ethylbenzene	<0.00201	U F1	0.0998	0.07372		mg/Kg		74	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1470		mg/Kg		74	70 - 130
o-Xylene	<0.00201	U	0.0998	0.07440		mg/Kg		75	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

QC Sample Results

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9336-1
 SDG: 03C1558615

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-66948-A-1-C MSD
 Matrix: Solid
 Analysis Batch: 128830

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 128902

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Benzene	<0.00201	U	0.0990	0.07419		mg/Kg		75	70 - 130	5	35
Toluene	<0.00201	U	0.0990	0.07816		mg/Kg		79	70 - 130	6	35
Ethylbenzene	<0.00201	U F1	0.0990	0.06799	F1	mg/Kg		69	70 - 130	8	35
m-Xylene & p-Xylene	<0.00402	U	0.198	0.1396		mg/Kg		70	70 - 130	5	35
o-Xylene	<0.00201	U	0.0990	0.07343		mg/Kg		74	70 - 130	1	35
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	113		70 - 130								
1,4-Difluorobenzene (Surr)	81		70 - 130								

Lab Sample ID: MB 880-128921/5-A
 Matrix: Solid
 Analysis Batch: 128917

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 128921

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	<0.00200	U	0.00200	mg/Kg		01/14/26 08:22	01/14/26 10:55	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/14/26 08:22	01/14/26 10:55	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/14/26 08:22	01/14/26 10:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		01/14/26 08:22	01/14/26 10:55	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/14/26 08:22	01/14/26 10:55	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/14/26 08:22	01/14/26 10:55	1
MB MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared		Analyzed		Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	01/14/26 08:22		01/14/26 10:55		1
1,4-Difluorobenzene (Surr)	88		70 - 130	01/14/26 08:22		01/14/26 10:55		1

Lab Sample ID: LCS 880-128921/1-A
 Matrix: Solid
 Analysis Batch: 128917

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 128921

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
		Added	Result				Qualifier
Benzene	0.100	0.09952		mg/Kg		100	70 - 130
Toluene	0.100	0.1010		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.1132		mg/Kg		113	70 - 130
m-Xylene & p-Xylene	0.200	0.2241		mg/Kg		112	70 - 130
o-Xylene	0.100	0.1087		mg/Kg		109	70 - 130
LCS LCS							
Surrogate	%Recovery	Qualifier	Limits				
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130				
1,4-Difluorobenzene (Surr)	98		70 - 130				

Lab Sample ID: LCSD 880-128921/2-A
 Matrix: Solid
 Analysis Batch: 128917

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 128921

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	Limit
		Added	Result				Qualifier		
Benzene	0.100	0.08226		mg/Kg		82	70 - 130	19	35
Toluene	0.100	0.08389		mg/Kg		84	70 - 130	19	35

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QC Sample Results

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9336-1
 SDG: 03C1558615

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-128921/2-A
 Matrix: Solid
 Analysis Batch: 128917

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 128921

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene	0.100	0.09473		mg/Kg		95	70 - 130	18	35
m-Xylene & p-Xylene	0.200	0.1847		mg/Kg		92	70 - 130	19	35
o-Xylene	0.100	0.09000		mg/Kg		90	70 - 130	19	35

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	82		70 - 130

Lab Sample ID: 890-9361-A-1-C MS
 Matrix: Solid
 Analysis Batch: 128917

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 128921

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0998	0.07078		mg/Kg		71	70 - 130
Toluene	<0.00201	U	0.0998	0.07594		mg/Kg		76	70 - 130
Ethylbenzene	<0.00201	U	0.0998	0.08659		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1724		mg/Kg		86	70 - 130
o-Xylene	<0.00201	U	0.0998	0.08301		mg/Kg		83	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	80		70 - 130

Lab Sample ID: 890-9361-A-1-D MSD
 Matrix: Solid
 Analysis Batch: 128917

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 128921

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0990	0.07687		mg/Kg		78	70 - 130	8	35
Toluene	<0.00201	U	0.0990	0.08251		mg/Kg		83	70 - 130	8	35
Ethylbenzene	<0.00201	U	0.0990	0.09409		mg/Kg		95	70 - 130	8	35
m-Xylene & p-Xylene	<0.00402	U	0.198	0.1871		mg/Kg		94	70 - 130	8	35
o-Xylene	<0.00201	U	0.0990	0.09058		mg/Kg		91	70 - 130	9	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-128400/1-A
 Matrix: Solid
 Analysis Batch: 128996

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 128400

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/07/26 16:01	01/15/26 03:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/07/26 16:01	01/15/26 03:41	1

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QC Sample Results

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9336-1
 SDG: 03C1558615

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-128400/1-A
Matrix: Solid
Analysis Batch: 128996

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 128400

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/07/26 16:01	01/15/26 03:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130			01/07/26 16:01	01/15/26 03:41	1
o-Terphenyl	142	S1+	70 - 130			01/07/26 16:01	01/15/26 03:41	1

Lab Sample ID: LCS 880-128400/2-A
Matrix: Solid
Analysis Batch: 128996

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 128400

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	801.5		mg/Kg		80	70 - 130
Diesel Range Organics (Over C10-C28)	1000	872.0		mg/Kg		87	70 - 130
Surrogate		%Recovery	Qualifier	Limits			
1-Chlorooctane		87		70 - 130			
o-Terphenyl		82		70 - 130			

Lab Sample ID: LCSD 880-128400/3-A
Matrix: Solid
Analysis Batch: 128996

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 128400

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	823.3		mg/Kg		82	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	869.1		mg/Kg		87	70 - 130	0	20
Surrogate		%Recovery	Qualifier	Limits					
1-Chlorooctane		85		70 - 130					
o-Terphenyl		81		70 - 130					

Lab Sample ID: 890-9336-1 MS
Matrix: Solid
Analysis Batch: 128996

Client Sample ID: FS 08
Prep Type: Total/NA
Prep Batch: 128400

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	873.1		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	814.1		mg/Kg		80	70 - 130
Surrogate		%Recovery	Qualifier	Limits					
1-Chlorooctane		124		70 - 130					
o-Terphenyl		120		70 - 130					

QC Sample Results

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9336-1
 SDG: 03C1558615

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-9336-1 MSD
Matrix: Solid
Analysis Batch: 128996

Client Sample ID: FS 08
Prep Type: Total/NA
Prep Batch: 128400

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	856.0		mg/Kg		86	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	794.3		mg/Kg		78	70 - 130	2	20
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	124		70 - 130								
o-Terphenyl	117		70 - 130								

Lab Sample ID: MB 880-128962/1-A
Matrix: Solid
Analysis Batch: 128996

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 128962

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/14/26 13:46	01/15/26 13:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/14/26 13:46	01/15/26 13:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/14/26 13:46	01/15/26 13:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130			01/14/26 13:46	01/15/26 13:31	1
o-Terphenyl	136	S1+	70 - 130			01/14/26 13:46	01/15/26 13:31	1

Lab Sample ID: LCS 880-128962/2-A
Matrix: Solid
Analysis Batch: 128996

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 128962

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	854.0		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	1000	889.9		mg/Kg		89	70 - 130
Surrogate	%Recovery	Qualifier	Limits				
1-Chlorooctane	88		70 - 130				
o-Terphenyl	82		70 - 130				

Lab Sample ID: LCSD 880-128962/3-A
Matrix: Solid
Analysis Batch: 128996

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 128962

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	937.7		mg/Kg		94	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	1000	990.0		mg/Kg		99	70 - 130	11	20

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QC Sample Results

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9336-1
 SDG: 03C1558615

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-128962/3-A
 Matrix: Solid
 Analysis Batch: 128996

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 128962

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	97		70 - 130
o-Terphenyl	92		70 - 130

Lab Sample ID: 890-9336-8 MS
 Matrix: Solid
 Analysis Batch: 128996

Client Sample ID: FS 12
 Prep Type: Total/NA
 Prep Batch: 128962

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	%Rec	Limits
	Result	Qualifier		Result	Qualifier					
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	1000	864.7		mg/Kg		86		70 - 130
Diesel Range Organics (Over C10-C28)	<50.4	U	1000	791.0		mg/Kg		79		70 - 130

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	132	S1+	70 - 130
o-Terphenyl	127		70 - 130

Lab Sample ID: 890-9336-8 MSD
 Matrix: Solid
 Analysis Batch: 128996

Client Sample ID: FS 12
 Prep Type: Total/NA
 Prep Batch: 128962

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	%Rec	Limits	RPD	
	Result	Qualifier		Result	Qualifier						RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	1000	808.9		mg/Kg		81		70 - 130	7	20
Diesel Range Organics (Over C10-C28)	<50.4	U	1000	808.3		mg/Kg		81		70 - 130	2	20

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	133	S1+	70 - 130
o-Terphenyl	127		70 - 130

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 880-128699/1-A
 Matrix: Solid
 Analysis Batch: 128732

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB		RL	Unit	D	Prepared	Analyzed	Dil	Fac
	Result	Qualifier							
Chloride	<20.0	U	20.0	mg/Kg			01/12/26 10:18		1

Lab Sample ID: LCS 880-128699/2-A
 Matrix: Solid
 Analysis Batch: 128732

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike	LCS		Unit	D	%Rec	%Rec	Limits
		Result	Qualifier					
Chloride	80.0	80.43		mg/Kg		101		85 - 115

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QC Sample Results

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9336-1
 SDG: 03C1558615

Method: SM 4500 Cl- E - Chloride, Total (Continued)

Lab Sample ID: LCSD 880-128699/3-A
 Matrix: Solid
 Analysis Batch: 128732

Client Sample ID: Lab Control Sample Dup
 Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	80.0	84.54		mg/Kg		106	85 - 115	5	15

Lab Sample ID: 890-9336-8 MS
 Matrix: Solid
 Analysis Batch: 128732

Client Sample ID: FS 12
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	170	F1	79.2	283.7	F1	mg/Kg		144	85 - 115

Lab Sample ID: 890-9336-8 MSD
 Matrix: Solid
 Analysis Batch: 128732

Client Sample ID: FS 12
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	170	F1	79.2	289.6	F1	mg/Kg		151	85 - 115	2	15

QC Association Summary

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9336-1
 SDG: 03C1558615

GC VOA

Prep Batch: 128738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9336-8	FS 12	Total/NA	Solid	5035	
MB 880-128738/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-128738/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-128738/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-66808-A-101-E MS	Matrix Spike	Total/NA	Solid	5035	
880-66808-A-101-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 128829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9336-8	FS 12	Total/NA	Solid	8021B	128738
MB 880-128738/5-A	Method Blank	Total/NA	Solid	8021B	128738
MB 880-128837/5-A	Method Blank	Total/NA	Solid	8021B	128837
LCS 880-128738/1-A	Lab Control Sample	Total/NA	Solid	8021B	128738
LCSD 880-128738/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	128738
880-66808-A-101-E MS	Matrix Spike	Total/NA	Solid	8021B	128738
880-66808-A-101-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	128738

Analysis Batch: 128830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9336-1	FS 08	Total/NA	Solid	8021B	128834
890-9336-2	FS 18	Total/NA	Solid	8021B	128834
890-9336-3	SW 03	Total/NA	Solid	8021B	128834
890-9336-4	SW 06	Total/NA	Solid	8021B	128834
890-9336-5	CS 19	Total/NA	Solid	8021B	128834
890-9336-9	SW 07	Total/NA	Solid	8021B	128902
MB 880-128834/5-A	Method Blank	Total/NA	Solid	8021B	128834
MB 880-128902/5-A	Method Blank	Total/NA	Solid	8021B	128902
LCS 880-128834/1-A	Lab Control Sample	Total/NA	Solid	8021B	128834
LCS 880-128902/1-A	Lab Control Sample	Total/NA	Solid	8021B	128902
LCSD 880-128834/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	128834
LCSD 880-128902/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	128902
880-66948-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	128902
880-66948-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	128902

Prep Batch: 128834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9336-1	FS 08	Total/NA	Solid	5035	
890-9336-2	FS 18	Total/NA	Solid	5035	
890-9336-3	SW 03	Total/NA	Solid	5035	
890-9336-4	SW 06	Total/NA	Solid	5035	
890-9336-5	CS 19	Total/NA	Solid	5035	
MB 880-128834/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-128834/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-128834/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 128837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-128837/5-A	Method Blank	Total/NA	Solid	5035	

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QC Association Summary

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9336-1
 SDG: 03C1558615

GC VOA

Prep Batch: 128902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9336-9	SW 07	Total/NA	Solid	5035	
MB 880-128902/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-128902/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-128902/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-66948-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-66948-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 128917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9336-6	FS 11	Total/NA	Solid	8021B	128921
890-9336-7	FS 06	Total/NA	Solid	8021B	128921
MB 880-128921/5-A	Method Blank	Total/NA	Solid	8021B	128921
LCS 880-128921/1-A	Lab Control Sample	Total/NA	Solid	8021B	128921
LCSD 880-128921/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	128921
890-9361-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	128921
890-9361-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	128921

Prep Batch: 128921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9336-6	FS 11	Total/NA	Solid	5035	
890-9336-7	FS 06	Total/NA	Solid	5035	
MB 880-128921/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-128921/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-128921/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9361-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
890-9361-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 128946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9336-1	FS 08	Total/NA	Solid	Total BTEX	
890-9336-2	FS 18	Total/NA	Solid	Total BTEX	
890-9336-3	SW 03	Total/NA	Solid	Total BTEX	
890-9336-4	SW 06	Total/NA	Solid	Total BTEX	
890-9336-5	CS 19	Total/NA	Solid	Total BTEX	
890-9336-6	FS 11	Total/NA	Solid	Total BTEX	
890-9336-7	FS 06	Total/NA	Solid	Total BTEX	
890-9336-8	FS 12	Total/NA	Solid	Total BTEX	
890-9336-9	SW 07	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 128400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9336-1	FS 08	Total/NA	Solid	8015NM Prep	
890-9336-2	FS 18	Total/NA	Solid	8015NM Prep	
890-9336-3	SW 03	Total/NA	Solid	8015NM Prep	
890-9336-4	SW 06	Total/NA	Solid	8015NM Prep	
890-9336-5	CS 19	Total/NA	Solid	8015NM Prep	
890-9336-6	FS 11	Total/NA	Solid	8015NM Prep	
890-9336-7	FS 06	Total/NA	Solid	8015NM Prep	
MB 880-128400/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9336-1
 SDG: 03C1558615

GC Semi VOA (Continued)

Prep Batch: 128400 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-128400/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-128400/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9336-1 MS	FS 08	Total/NA	Solid	8015NM Prep	
890-9336-1 MSD	FS 08	Total/NA	Solid	8015NM Prep	

Prep Batch: 128962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9336-8	FS 12	Total/NA	Solid	8015NM Prep	
890-9336-9	SW 07	Total/NA	Solid	8015NM Prep	
MB 880-128962/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-128962/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-128962/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9336-8 MS	FS 12	Total/NA	Solid	8015NM Prep	
890-9336-8 MSD	FS 12	Total/NA	Solid	8015NM Prep	

Analysis Batch: 128996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9336-1	FS 08	Total/NA	Solid	8015B NM	128400
890-9336-2	FS 18	Total/NA	Solid	8015B NM	128400
890-9336-3	SW 03	Total/NA	Solid	8015B NM	128400
890-9336-4	SW 06	Total/NA	Solid	8015B NM	128400
890-9336-5	CS 19	Total/NA	Solid	8015B NM	128400
890-9336-6	FS 11	Total/NA	Solid	8015B NM	128400
890-9336-7	FS 06	Total/NA	Solid	8015B NM	128400
890-9336-8	FS 12	Total/NA	Solid	8015B NM	128962
890-9336-9	SW 07	Total/NA	Solid	8015B NM	128962
MB 880-128400/1-A	Method Blank	Total/NA	Solid	8015B NM	128400
MB 880-128962/1-A	Method Blank	Total/NA	Solid	8015B NM	128962
LCS 880-128400/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	128400
LCS 880-128962/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	128962
LCSD 880-128400/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	128400
LCSD 880-128962/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	128962
890-9336-1 MS	FS 08	Total/NA	Solid	8015B NM	128400
890-9336-1 MSD	FS 08	Total/NA	Solid	8015B NM	128400
890-9336-8 MS	FS 12	Total/NA	Solid	8015B NM	128962
890-9336-8 MSD	FS 12	Total/NA	Solid	8015B NM	128962

Analysis Batch: 129078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9336-1	FS 08	Total/NA	Solid	8015 NM	
890-9336-2	FS 18	Total/NA	Solid	8015 NM	
890-9336-3	SW 03	Total/NA	Solid	8015 NM	
890-9336-4	SW 06	Total/NA	Solid	8015 NM	
890-9336-5	CS 19	Total/NA	Solid	8015 NM	
890-9336-6	FS 11	Total/NA	Solid	8015 NM	
890-9336-7	FS 06	Total/NA	Solid	8015 NM	
890-9336-8	FS 12	Total/NA	Solid	8015 NM	
890-9336-9	SW 07	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9336-1
 SDG: 03C1558615

General Chemistry

Leach Batch: 128699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9336-1	FS 08	Soluble	Solid	DI Leach	
890-9336-2	FS 18	Soluble	Solid	DI Leach	
890-9336-3	SW 03	Soluble	Solid	DI Leach	
890-9336-4	SW 06	Soluble	Solid	DI Leach	
890-9336-5	CS 19	Soluble	Solid	DI Leach	
890-9336-6	FS 11	Soluble	Solid	DI Leach	
890-9336-7	FS 06	Soluble	Solid	DI Leach	
890-9336-8	FS 12	Soluble	Solid	DI Leach	
890-9336-9	SW 07	Soluble	Solid	DI Leach	
MB 880-128699/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-128699/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-128699/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9336-8 MS	FS 12	Soluble	Solid	DI Leach	
890-9336-8 MSD	FS 12	Soluble	Solid	DI Leach	

Analysis Batch: 128732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9336-1	FS 08	Soluble	Solid	SM 4500 CI- E	128699
890-9336-2	FS 18	Soluble	Solid	SM 4500 CI- E	128699
890-9336-3	SW 03	Soluble	Solid	SM 4500 CI- E	128699
890-9336-4	SW 06	Soluble	Solid	SM 4500 CI- E	128699
890-9336-5	CS 19	Soluble	Solid	SM 4500 CI- E	128699
890-9336-6	FS 11	Soluble	Solid	SM 4500 CI- E	128699
890-9336-7	FS 06	Soluble	Solid	SM 4500 CI- E	128699
890-9336-8	FS 12	Soluble	Solid	SM 4500 CI- E	128699
890-9336-9	SW 07	Soluble	Solid	SM 4500 CI- E	128699
MB 880-128699/1-A	Method Blank	Soluble	Solid	SM 4500 CI- E	128699
LCS 880-128699/2-A	Lab Control Sample	Soluble	Solid	SM 4500 CI- E	128699
LCSD 880-128699/3-A	Lab Control Sample Dup	Soluble	Solid	SM 4500 CI- E	128699
890-9336-8 MS	FS 12	Soluble	Solid	SM 4500 CI- E	128699
890-9336-8 MSD	FS 12	Soluble	Solid	SM 4500 CI- E	128699

Lab Chronicle

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9336-1
 SDG: 03C1558615

Client Sample ID: FS 08

Lab Sample ID: 890-9336-1

Date Collected: 01/08/26 09:52

Matrix: Solid

Date Received: 01/09/26 13:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	128834	01/13/26 08:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	128830	01/13/26 16:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			128946	01/13/26 16:40	SA	EET MID
Total/NA	Analysis	8015 NM		1			129078	01/15/26 07:54	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	128400	01/07/26 16:01	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128996	01/15/26 07:54	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	10 mL	128699	01/12/26 07:53	SA	EET MID
Soluble	Analysis	SM 4500 CI- E		5	10 mL	10 mL	128732	01/12/26 10:22	CS	EET MID

Client Sample ID: FS 18

Lab Sample ID: 890-9336-2

Date Collected: 01/08/26 09:56

Matrix: Solid

Date Received: 01/09/26 13:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	128834	01/13/26 08:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	128830	01/13/26 17:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			128946	01/13/26 17:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			129078	01/15/26 08:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	128400	01/07/26 16:01	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128996	01/15/26 08:36	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	10 mL	128699	01/12/26 07:53	SA	EET MID
Soluble	Analysis	SM 4500 CI- E		1	10 mL	10 mL	128732	01/12/26 10:22	CS	EET MID

Client Sample ID: SW 03

Lab Sample ID: 890-9336-3

Date Collected: 01/08/26 10:26

Matrix: Solid

Date Received: 01/09/26 13:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	128834	01/13/26 08:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	128830	01/13/26 17:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			128946	01/13/26 17:21	SA	EET MID
Total/NA	Analysis	8015 NM		1			129078	01/15/26 08:50	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	128400	01/07/26 16:01	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128996	01/15/26 08:50	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	10 mL	128699	01/12/26 07:53	SA	EET MID
Soluble	Analysis	SM 4500 CI- E		1	10 mL	10 mL	128732	01/12/26 10:24	CS	EET MID

Client Sample ID: SW 06

Lab Sample ID: 890-9336-4

Date Collected: 01/08/26 10:36

Matrix: Solid

Date Received: 01/09/26 13:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	128834	01/13/26 08:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	128830	01/13/26 17:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			128946	01/13/26 17:41	SA	EET MID

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Lab Chronicle

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9336-1
 SDG: 03C1558615

Client Sample ID: SW 06

Lab Sample ID: 890-9336-4

Date Collected: 01/08/26 10:36

Matrix: Solid

Date Received: 01/09/26 13:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			129078	01/15/26 09:04	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	128400	01/07/26 16:01	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128996	01/15/26 09:04	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	10 mL	128699	01/12/26 07:53	SA	EET MID
Soluble	Analysis	SM 4500 CI- E		1	10 mL	10 mL	128732	01/12/26 10:24	CS	EET MID

Client Sample ID: CS 19

Lab Sample ID: 890-9336-5

Date Collected: 01/08/26 11:09

Matrix: Solid

Date Received: 01/09/26 13:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	128834	01/13/26 08:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	128830	01/13/26 18:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			128946	01/13/26 18:02	SA	EET MID
Total/NA	Analysis	8015 NM		1			129078	01/15/26 09:18	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	128400	01/07/26 16:01	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128996	01/15/26 09:18	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	10 mL	128699	01/12/26 07:53	SA	EET MID
Soluble	Analysis	SM 4500 CI- E		1	10 mL	10 mL	128732	01/12/26 10:24	CS	EET MID

Client Sample ID: FS 11

Lab Sample ID: 890-9336-6

Date Collected: 01/08/26 11:55

Matrix: Solid

Date Received: 01/09/26 13:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	128921	01/14/26 08:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	128917	01/14/26 12:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			128946	01/14/26 12:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			129078	01/15/26 09:33	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	128400	01/07/26 16:01	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128996	01/15/26 09:33	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	10 mL	128699	01/12/26 07:53	SA	EET MID
Soluble	Analysis	SM 4500 CI- E		1	10 mL	10 mL	128732	01/12/26 10:25	CS	EET MID

Client Sample ID: FS 06

Lab Sample ID: 890-9336-7

Date Collected: 01/08/26 11:59

Matrix: Solid

Date Received: 01/09/26 13:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	128921	01/14/26 08:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	128917	01/14/26 12:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			128946	01/14/26 12:59	SA	EET MID
Total/NA	Analysis	8015 NM		1			129078	01/15/26 09:47	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	128400	01/07/26 16:01	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128996	01/15/26 09:47	FC	EET MID

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Lab Chronicle

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9336-1
 SDG: 03C1558615

Client Sample ID: FS 06

Lab Sample ID: 890-9336-7

Date Collected: 01/08/26 11:59

Matrix: Solid

Date Received: 01/09/26 13:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	10 mL	128699	01/12/26 07:53	SA	EET MID
Soluble	Analysis	SM 4500 Cl- E		1	10 mL	10 mL	128732	01/12/26 10:25	CS	EET MID

Client Sample ID: FS 12

Lab Sample ID: 890-9336-8

Date Collected: 01/08/26 12:25

Matrix: Solid

Date Received: 01/09/26 13:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	128738	01/12/26 10:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	128829	01/14/26 06:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			128946	01/14/26 06:34	SA	EET MID
Total/NA	Analysis	8015 NM		1			129078	01/15/26 14:12	SA	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10.00 mL	128962	01/14/26 13:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128996	01/15/26 14:12	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	10 mL	128699	01/12/26 07:53	SA	EET MID
Soluble	Analysis	SM 4500 Cl- E		1	10 mL	10 mL	128732	01/12/26 10:26	CS	EET MID

Client Sample ID: SW 07

Lab Sample ID: 890-9336-9

Date Collected: 01/08/26 12:29

Matrix: Solid

Date Received: 01/09/26 13:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	128902	01/13/26 16:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	128830	01/14/26 04:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			128946	01/14/26 04:01	SA	EET MID
Total/NA	Analysis	8015 NM		1			129078	01/15/26 15:50	SA	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10.00 mL	128962	01/14/26 13:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128996	01/15/26 15:50	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	10 mL	128699	01/12/26 07:53	SA	EET MID
Soluble	Analysis	SM 4500 Cl- E		1	10 mL	10 mL	128732	01/12/26 10:27	CS	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Ensolum
Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9336-1
SDG: 03C1558615

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
SM 4500 Cl- E		Solid	Chloride
Total BTEX		Solid	Total BTEX

- 1
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Method Summary

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9336-1
 SDG: 03C1558615

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
SM 4500 Cl- E	Chloride, Total	SM	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- SM = "Standard Methods For The Examination Of Water And Wastewater"
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Sample Summary

Client: Ensolum
Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9336-1
SDG: 03C1558615

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9336-1	FS 08	Solid	01/08/26 09:52	01/09/26 13:31	3
890-9336-2	FS 18	Solid	01/08/26 09:56	01/09/26 13:31	3
890-9336-3	SW 03	Solid	01/08/26 10:26	01/09/26 13:31	0-3
890-9336-4	SW 06	Solid	01/08/26 10:36	01/09/26 13:31	0-1
890-9336-5	CS 19	Solid	01/08/26 11:09	01/09/26 13:31	1
890-9336-6	FS 11	Solid	01/08/26 11:55	01/09/26 13:31	1
890-9336-7	FS 06	Solid	01/08/26 11:59	01/09/26 13:31	1
890-9336-8	FS 12	Solid	01/08/26 12:25	01/09/26 13:31	1
890-9336-9	SW 07	Solid	01/08/26 12:29	01/09/26 13:31	0-1

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9336

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Environment Testing
 Xenco



Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager: Tracy Hillard
 Company Name: Ensolium
 Address: 3122 National Parks Hwy
 City, State ZIP: Carlsbad, NM 88220
 Phone: (575) 937-3906
 Email: thillard@ensolium.com, Tmorrissey@ensolium.com

Bill to: (if different)
 Company Name: XTO Energy, Inc.
 Address: 3104 E Greene St.
 City, State ZIP: Carlsbad, NM, 88220

Program: UST/PST PRP Brownfields RRC Superfund
 State of Project: _____
 Reporting: Level II Level III PST/UST TRRP Level IV
 Deliverables: EDD AdaPT Other: _____

Project Name: PLU Ross Ranch 33-25-30 USA Battery
 Project Number: 03C1558615
 Project Location: 32.093408, -103.892262
 Sampler's Name: Trevor Wargo

Turn Around
 Routine Rush
 Due Date: 7/1
 TAT starts the day received by the lab, if received by 4:30pm

Wet Ice: Yes No
 Thermometer ID: Tm 1000
 Correction Factor: -0.2
 Temperature Reading: 6.0
 Corrected Temperature: 5.8

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	# of Comp	Parameters		Pres. Code	Analytical Codes
						Grab	Cont		
FS08	Soil	1/8/26	9:52	3	1				DI Water: H ₂ O MeOH: Me HNO ₃ : HN NaOH: Na
FS18			9:56	↓					
SN03			10:26	0-3					
SN06			10:36	0-1					
CS19			11:04	1					
FS11			11:55						
FS06			11:59						
FS12			12:05						
SN07			12:29	0-1					

Handwritten notes in table:
 TPH 8015
 BTEX 8021
 Chloride 4500

Circle Method(s) and Metal(s) to be analyzed: 8RCRA Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni Se Ag SiO₂ Na Sr Ti Sn U V Zn
 TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$65.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Relinquished by: (Signature)	Date/Time	Date/Time	Received by: (Signature)	Date/Time
Trevor Wargo	Sunny	1-9	1:31		
		2			
		4			
		6			

Incident #: nAPP2505230690
 CC: 108111001
 GFCM: 48605000
 twargo@ensolium.com
 Revised Date: 09/25/2020 Rev. 2020.2



Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler: N/A	Lab PM: Kramer, Jessica	Carrier Tracking No(s): N/A	COC No: 890-9337-1
Client Contact: Shipping/Receiving		Phone: N/A	E-Mail: Jessica.Kramer@eurofins.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centre		Accreditations Required (See note): NELAP - Texas		Job #: 890-9336-1	Preservation Codes:
Address: 1211 W. Florida Ave.		Due Date Requested: 1/15/2026		Analysis Requested:	
City: Midland	TAT Requested (days): N/A	Matrix (W=Water, S=Solid, O=Water/Oil, BT=Trace, A=Air)		Total Number of Containers	
State, Zip: TX, 79701	PO #: N/A	Sample Type (C=Comp, G=Grab)	Sample Time	Sample Date	Sample Time
Phone: 432-704-5440(Tel)	WO #: N/A	Preservation Code:	09:52 Mountain	1/8/26	09:52 Mountain
Email: N/A	Project #: 89000110		09:56 Mountain	1/8/26	09:56 Mountain
PLU Name: PLU ROSS RANCH 33-25-30 USA BATTERY	SSOW#: N/A		10:26 Mountain	1/8/26	10:26 Mountain
Site: N/A			10:36 Mountain	1/8/26	10:36 Mountain
			11:09 Mountain	1/8/26	11:09 Mountain
			11:55 Mountain	1/8/26	11:55 Mountain
			11:59 Mountain	1/8/26	11:59 Mountain
			12:25 Mountain	1/8/26	12:25 Mountain
			12:29 Mountain	1/8/26	12:29 Mountain

Sample Identification - Client ID (Lab ID)	Field Filled Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_Prep(MOD) Full TPH	8015MOD_Calc	80218/5035FP_Calc(MOD) BTEX	Total_BTEX_GCV	SM4500_C1_E/D1_LEACH	Other: N/A	Special Instructions/Note:
FS 08 (890-9336-1)	X	X	X	X	X	X	X		
FS 18 (890-9336-2)	X	X	X	X	X	X	X		
SW 03 (890-9336-3)	X	X	X	X	X	X	X		
SW 06 (890-9336-4)	X	X	X	X	X	X	X		
CS 19 (890-9336-5)	X	X	X	X	X	X	X		
FS 11 (890-9336-6)	X	X	X	X	X	X	X		
FS 06 (890-9336-7)	X	X	X	X	X	X	X		
FS 12 (890-9336-8)	X	X	X	X	X	X	X		
SW 07 (890-9336-9)	X	X	X	X	X	X	X		

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Centre, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Centre, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Centre, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Centre, LLC.

Possible Hazard Identification
 Unconfirmed
 Return To Client
 Disposal By Lab
 Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

Empty Kit Relinquished by: _____ Date: _____ Time: _____
 Relinquished by: *Swens* Date: 1-9-1630 Company: _____
 Relinquished by: _____ Date: _____ Company: _____
 Relinquished by: _____ Date: _____ Company: _____

Custody Seals Intact: _____ Custody Seal No.: _____
 Δ Yes Δ No Cooler Temperature(s) °C and Other Remarks:



Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9336-1

SDG Number: 03C1558615

Login Number: 9336

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9336-1

SDG Number: 03C1558615

Login Number: 9336

List Number: 2

Creator: Saenz, Connie

List Source: Eurofins Midland

List Creation: 01/12/26 10:09 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

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Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Tracy Hillard
 Ensolum
 601 N. Marienfeld St.
 Suite 400
 Midland, Texas 79701
 Generated 2/16/2026 6:33:20 PM

JOB DESCRIPTION

PLU ROSS RANCH 33-25-30 USA BATTERY
 03C1558615

JOB NUMBER

890-9467-1

Eurofins Carlsbad
 1089 N Canal St.
 Carlsbad NM 88220



Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
2/16/2026 6:33:20 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

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Client: Ensolum
Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Laboratory Job ID: 890-9467-1
SDG: 03C1558615

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Definitions/Glossary

Client: Ensolum
Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9467-1
SDG: 03C1558615

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ensolum
Project: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9467-1

Job ID: 890-9467-1

Eurofins Carlsbad

Job Narrative 890-9467-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The sample was received on 2/10/2026 11:56 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.0°C.

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: SS 13 (890-9467-1).

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-131362 and analytical batch 880-131814 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Carlsbad



Client Sample Results

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9467-1
 SDG: 03C1558615

Client Sample ID: SS 13

Lab Sample ID: 890-9467-1

Date Collected: 02/06/26 11:53

Matrix: Solid

Date Received: 02/10/26 11:56

Sample Depth: SURFACE

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00205		0.00200	mg/Kg		02/16/26 08:54	02/16/26 18:27	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/16/26 08:54	02/16/26 18:27	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/16/26 08:54	02/16/26 18:27	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		02/16/26 08:54	02/16/26 18:27	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/16/26 08:54	02/16/26 18:27	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/16/26 08:54	02/16/26 18:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	02/16/26 08:54	02/16/26 18:27	1
1,4-Difluorobenzene (Surr)	119		70 - 130	02/16/26 08:54	02/16/26 18:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			02/16/26 18:27	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			02/14/26 14:24	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		02/10/26 09:31	02/14/26 14:24	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		02/10/26 09:31	02/14/26 14:24	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		02/10/26 09:31	02/14/26 14:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	02/10/26 09:31	02/14/26 14:24	1
o-Terphenyl	104		70 - 130	02/10/26 09:31	02/14/26 14:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/Kg			02/13/26 14:02	1

Surrogate Summary

Client: Ensolum
Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9467-1
SDG: 03C1558615

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-68232-A-1-E MS	Matrix Spike	103	112
880-68232-A-1-F MSD	Matrix Spike Duplicate	99	107
890-9467-1	SS 13	112	119
LCS 880-131871/1-A	Lab Control Sample	101	113
LCSD 880-131871/2-A	Lab Control Sample Dup	105	115
MB 880-131871/5-A	Method Blank	102	113

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
880-67956-A-41-E MS	Matrix Spike	102	101
880-67956-A-41-F MSD	Matrix Spike Duplicate	103	102
890-9467-1	SS 13	93	104
LCS 880-131362/2-A	Lab Control Sample	116	113
LCSD 880-131362/3-A	Lab Control Sample Dup	117	111
MB 880-131362/1-A	Method Blank	84	92

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9467-1
 SDG: 03C1558615

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-131871/5-A
 Matrix: Solid
 Analysis Batch: 131866

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 131871

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/16/26 08:00	02/16/26 10:52	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/16/26 08:00	02/16/26 10:52	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/16/26 08:00	02/16/26 10:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		02/16/26 08:00	02/16/26 10:52	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/16/26 08:00	02/16/26 10:52	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/16/26 08:00	02/16/26 10:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	02/16/26 08:00	02/16/26 10:52	1
1,4-Difluorobenzene (Surr)	113		70 - 130	02/16/26 08:00	02/16/26 10:52	1

Lab Sample ID: LCS 880-131871/1-A
 Matrix: Solid
 Analysis Batch: 131866

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 131871

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08912		mg/Kg		89	70 - 130
Toluene	0.100	0.08605		mg/Kg		86	70 - 130
Ethylbenzene	0.100	0.09447		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.200	0.1847		mg/Kg		92	70 - 130
o-Xylene	0.100	0.09021		mg/Kg		90	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: LCSD 880-131871/2-A
 Matrix: Solid
 Analysis Batch: 131866

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 131871

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.08657		mg/Kg		87	70 - 130	3	35
Toluene	0.100	0.08449		mg/Kg		84	70 - 130	2	35
Ethylbenzene	0.100	0.09408		mg/Kg		94	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1814		mg/Kg		91	70 - 130	2	35
o-Xylene	0.100	0.08591		mg/Kg		86	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: 880-68232-A-1-E MS
 Matrix: Solid
 Analysis Batch: 131866

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 131871

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08049		mg/Kg		80	70 - 130
Toluene	<0.00200	U	0.100	0.07714		mg/Kg		77	70 - 130

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QC Sample Results

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9467-1
 SDG: 03C1558615

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-68232-A-1-E MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 131866

Prep Batch: 131871

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier		Result	Qualifier				
Ethylbenzene	<0.00200	U	0.100	0.08727		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1668		mg/Kg		83	70 - 130
o-Xylene	<0.00200	U	0.100	0.08103		mg/Kg		81	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-68232-A-1-F MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 131866

Prep Batch: 131871

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00200	U	0.100	0.08234		mg/Kg		82	70 - 130	2	35
Toluene	<0.00200	U	0.100	0.07987		mg/Kg		80	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.100	0.08776		mg/Kg		88	70 - 130	1	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1696		mg/Kg		85	70 - 130	2	35
o-Xylene	<0.00200	U	0.100	0.08275		mg/Kg		83	70 - 130	2	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-131362/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 131814

Prep Batch: 131362

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/10/26 09:31	02/14/26 06:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/10/26 09:31	02/14/26 06:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/10/26 09:31	02/14/26 06:12	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	84		70 - 130	02/10/26 09:31	02/14/26 06:12	1
o-Terphenyl	92		70 - 130	02/10/26 09:31	02/14/26 06:12	1

Lab Sample ID: LCS 880-131362/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 131814

Prep Batch: 131362

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
Gasoline Range Organics (GRO)-C6-C10	1000	1022		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	1000	970.1		mg/Kg		97	70 - 130

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QC Sample Results

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9467-1
 SDG: 03C1558615

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-131362/2-A
Matrix: Solid
Analysis Batch: 131814

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 131362

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	116		70 - 130
o-Terphenyl	113		70 - 130

Lab Sample ID: LCSD 880-131362/3-A
Matrix: Solid
Analysis Batch: 131814

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 131362

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec		RPD	Limit
		Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	1041		mg/Kg		104	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)	1000	970.1		mg/Kg		97	70 - 130	0	20	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	117		70 - 130
o-Terphenyl	111		70 - 130

Lab Sample ID: 880-67956-A-41-E MS
Matrix: Solid
Analysis Batch: 131814

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 131362

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	1010	872.7		mg/Kg		87	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.7	U F1	1010	670.1	F1	mg/Kg		65	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	102		70 - 130
o-Terphenyl	101		70 - 130

Lab Sample ID: 880-67956-A-41-F MSD
Matrix: Solid
Analysis Batch: 131814

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 131362

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	1010	880.6		mg/Kg		88	70 - 130	1	20	
Diesel Range Organics (Over C10-C28)	<49.7	U F1	1010	677.6	F1	mg/Kg		66	70 - 130	1	20	

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	103		70 - 130
o-Terphenyl	102		70 - 130

QC Sample Results

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9467-1
 SDG: 03C1558615

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-131454/1-A
 Matrix: Solid
 Analysis Batch: 131676

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/Kg			02/13/26 08:18	1

Lab Sample ID: LCS 880-131454/2-A
 Matrix: Solid
 Analysis Batch: 131676

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	236.8		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-131454/3-A
 Matrix: Solid
 Analysis Batch: 131676

Client Sample ID: Lab Control Sample Dup
 Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	235.0		mg/Kg		94	90 - 110	1	20

Lab Sample ID: 880-68020-A-1-B MS
 Matrix: Solid
 Analysis Batch: 131676

Client Sample ID: Matrix Spike
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	334		252	564.4		mg/Kg		92	90 - 110

Lab Sample ID: 880-68020-A-1-C MSD
 Matrix: Solid
 Analysis Batch: 131676

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	334		252	560.2		mg/Kg		90	90 - 110	1	20

QC Association Summary

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9467-1
 SDG: 03C1558615

GC VOA

Analysis Batch: 131866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9467-1	SS 13	Total/NA	Solid	8021B	131871
MB 880-131871/5-A	Method Blank	Total/NA	Solid	8021B	131871
LCS 880-131871/1-A	Lab Control Sample	Total/NA	Solid	8021B	131871
LCSD 880-131871/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	131871
880-68232-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	131871
880-68232-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	131871

Prep Batch: 131871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9467-1	SS 13	Total/NA	Solid	5035	
MB 880-131871/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-131871/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-131871/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-68232-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-68232-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 132018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9467-1	SS 13	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 131362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9467-1	SS 13	Total/NA	Solid	8015NM Prep	
MB 880-131362/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-131362/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-131362/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-67956-A-41-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-67956-A-41-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 131814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9467-1	SS 13	Total/NA	Solid	8015B NM	131362
MB 880-131362/1-A	Method Blank	Total/NA	Solid	8015B NM	131362
LCS 880-131362/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	131362
LCSD 880-131362/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	131362
880-67956-A-41-E MS	Matrix Spike	Total/NA	Solid	8015B NM	131362
880-67956-A-41-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	131362

Analysis Batch: 131943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9467-1	SS 13	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 131454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9467-1	SS 13	Soluble	Solid	DI Leach	
MB 880-131454/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-131454/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-131454/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9467-1
 SDG: 03C1558615

HPLC/IC (Continued)

Leach Batch: 131454 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68020-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-68020-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 131676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9467-1	SS 13	Soluble	Solid	300.0	131454
MB 880-131454/1-A	Method Blank	Soluble	Solid	300.0	131454
LCS 880-131454/2-A	Lab Control Sample	Soluble	Solid	300.0	131454
LCSD 880-131454/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	131454
880-68020-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	131454
880-68020-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	131454

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Lab Chronicle

Client: Ensolum
 Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9467-1
 SDG: 03C1558615

Client Sample ID: SS 13

Lab Sample ID: 890-9467-1

Date Collected: 02/06/26 11:53

Matrix: Solid

Date Received: 02/10/26 11:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	131871	02/16/26 08:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131866	02/16/26 18:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132018	02/16/26 18:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			131943	02/14/26 14:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	131362	02/10/26 09:31	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131814	02/14/26 14:24	SA	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	131454	02/11/26 09:48	SI	EET MID
Soluble	Analysis	300.0		1			131676	02/13/26 14:02	SMC	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Accreditation/Certification Summary

Client: Ensolum
Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9467-1
SDG: 03C1558615

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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Method Summary

Client: Ensolum
Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9467-1
SDG: 03C1558615

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Sample Summary

Client: Ensolum
Project/Site: PLU ROSS RANCH 33-25-30 USA BATTERY

Job ID: 890-9467-1
SDG: 03C1558615

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9467-1	SS 13	Solid	02/06/26 11:53	02/10/26 11:56	SURFACE

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Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9467-1

SDG Number: 03C1558615

Login Number: 9467

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9467-1

SDG Number: 03C1558615

Login Number: 9467

List Number: 2

Creator: Vasquez, Julisa

List Source: Eurofins Midland

List Creation: 02/11/26 10:40 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Tracy Hillard
 Ensolum
 601 N. Marienfeld St.
 Suite 400
 Midland, Texas 79701
 Generated 3/6/2026 5:38:14 PM

JOB DESCRIPTION

PLU Ross Ranch 33-25-30-USA Bat
 03C1558615

JOB NUMBER

890-9562-1

Eurofins Carlsbad
 1089 N Canal St.
 Carlsbad NM 88220



Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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3/6/2026 5:38:14 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

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Client: Ensolum
Project/Site: PLU Ross Ranch 33-25-30-USA Bat

Laboratory Job ID: 890-9562-1
SDG: 03C1558615

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Definitions/Glossary

Client: Ensolum
 Project/Site: PLU Ross Ranch 33-25-30-USA Bat

Job ID: 890-9562-1
 SDG: 03C1558615

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ensolum
Project: PLU Ross Ranch 33-25-30-USA Bat

Job ID: 890-9562-1

Job ID: 890-9562-1

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Job Narrative 890-9562-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 2/27/2026 2:16 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -0.2°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: FS 24 (890-9562-1), FS 29 (890-9562-2), SW 09 (890-9562-3), CS 28 B (890-9562-4), CS 35 (890-9562-5), CS 36 (890-9562-6) and CS 37 (890-9562-7).

GC VOA

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-133809 and analytical batch 880-133749 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300.0 - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-133623 and analytical batch 880-133774 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Ensolum
 Project/Site: PLU Ross Ranch 33-25-30-USA Bat

Job ID: 890-9562-1
 SDG: 03C1558615

Client Sample ID: FS 24

Lab Sample ID: 890-9562-1

Date Collected: 02/26/26 15:19

Matrix: Solid

Date Received: 02/27/26 14:16

Sample Depth: 8

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/04/26 11:08	03/05/26 05:01	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/04/26 11:08	03/05/26 05:01	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/04/26 11:08	03/05/26 05:01	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/04/26 11:08	03/05/26 05:01	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/04/26 11:08	03/05/26 05:01	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/04/26 11:08	03/05/26 05:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	03/04/26 11:08	03/05/26 05:01	1
1,4-Difluorobenzene (Surr)	95		70 - 130	03/04/26 11:08	03/05/26 05:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/05/26 05:01	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/06/26 14:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/03/26 17:34	03/06/26 14:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/03/26 17:34	03/06/26 14:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/03/26 17:34	03/06/26 14:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	03/03/26 17:34	03/06/26 14:32	1
o-Terphenyl	122		70 - 130	03/03/26 17:34	03/06/26 14:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.3		9.92	mg/Kg			03/04/26 22:52	1

Client Sample ID: FS 29

Lab Sample ID: 890-9562-2

Date Collected: 02/26/26 14:01

Matrix: Solid

Date Received: 02/27/26 14:16

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		03/04/26 11:08	03/05/26 05:21	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/04/26 11:08	03/05/26 05:21	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/04/26 11:08	03/05/26 05:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/04/26 11:08	03/05/26 05:21	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/04/26 11:08	03/05/26 05:21	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/04/26 11:08	03/05/26 05:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	03/04/26 11:08	03/05/26 05:21	1

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Client Sample Results

Client: Ensolum
 Project/Site: PLU Ross Ranch 33-25-30-USA Bat

Job ID: 890-9562-1
 SDG: 03C1558615

Client Sample ID: FS 29

Lab Sample ID: 890-9562-2

Date Collected: 02/26/26 14:01

Matrix: Solid

Date Received: 02/27/26 14:16

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	97		70 - 130	03/04/26 11:08	03/05/26 05:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			03/05/26 05:21	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/06/26 14:47	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/03/26 17:34	03/06/26 14:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/03/26 17:34	03/06/26 14:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/03/26 17:34	03/06/26 14:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	03/03/26 17:34	03/06/26 14:47	1
o-Terphenyl	117		70 - 130	03/03/26 17:34	03/06/26 14:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	409		9.98	mg/Kg			03/04/26 22:58	1

Client Sample ID: SW 09

Lab Sample ID: 890-9562-3

Date Collected: 02/26/26 15:22

Matrix: Solid

Date Received: 02/27/26 14:16

Sample Depth: 0-8

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		03/04/26 11:08	03/05/26 05:42	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/04/26 11:08	03/05/26 05:42	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/04/26 11:08	03/05/26 05:42	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		03/04/26 11:08	03/05/26 05:42	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/04/26 11:08	03/05/26 05:42	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		03/04/26 11:08	03/05/26 05:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	03/04/26 11:08	03/05/26 05:42	1
1,4-Difluorobenzene (Surr)	95		70 - 130	03/04/26 11:08	03/05/26 05:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			03/05/26 05:42	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/06/26 15:02	1

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Client Sample Results

Client: Ensolum
 Project/Site: PLU Ross Ranch 33-25-30-USA Bat

Job ID: 890-9562-1
 SDG: 03C1558615

Client Sample ID: SW 09

Lab Sample ID: 890-9562-3

Date Collected: 02/26/26 15:22

Matrix: Solid

Date Received: 02/27/26 14:16

Sample Depth: 0-8

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/03/26 17:34	03/06/26 15:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/03/26 17:34	03/06/26 15:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/03/26 17:34	03/06/26 15:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	03/03/26 17:34	03/06/26 15:02	1
o-Terphenyl	123		70 - 130	03/03/26 17:34	03/06/26 15:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.9		9.94	mg/Kg			03/04/26 23:13	1

Client Sample ID: CS 28 B

Lab Sample ID: 890-9562-4

Date Collected: 02/26/26 14:20

Matrix: Solid

Date Received: 02/27/26 14:16

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/04/26 11:08	03/05/26 06:02	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/04/26 11:08	03/05/26 06:02	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/04/26 11:08	03/05/26 06:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/04/26 11:08	03/05/26 06:02	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/04/26 11:08	03/05/26 06:02	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/04/26 11:08	03/05/26 06:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	03/04/26 11:08	03/05/26 06:02	1
1,4-Difluorobenzene (Surr)	95		70 - 130	03/04/26 11:08	03/05/26 06:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/05/26 06:02	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	91.2		49.8	mg/Kg			03/06/26 15:17	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		03/03/26 17:34	03/06/26 15:17	1
Diesel Range Organics (Over C10-C28)	91.2		49.8	mg/Kg		03/03/26 17:34	03/06/26 15:17	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/03/26 17:34	03/06/26 15:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	03/03/26 17:34	03/06/26 15:17	1
o-Terphenyl	125		70 - 130	03/03/26 17:34	03/06/26 15:17	1

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Client Sample Results

Client: Ensolum
 Project/Site: PLU Ross Ranch 33-25-30-USA Bat

Job ID: 890-9562-1
 SDG: 03C1558615

Client Sample ID: CS 28 B

Lab Sample ID: 890-9562-4

Date Collected: 02/26/26 14:20
 Date Received: 02/27/26 14:16
 Sample Depth: 1

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	445		9.92	mg/Kg			03/04/26 23:19	1

Client Sample ID: CS 35

Lab Sample ID: 890-9562-5

Date Collected: 02/26/26 12:40
 Date Received: 02/27/26 14:16
 Sample Depth: SURFACE

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		03/04/26 11:08	03/05/26 06:23	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/04/26 11:08	03/05/26 06:23	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/04/26 11:08	03/05/26 06:23	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		03/04/26 11:08	03/05/26 06:23	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/04/26 11:08	03/05/26 06:23	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		03/04/26 11:08	03/05/26 06:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130			03/04/26 11:08	03/05/26 06:23	1
1,4-Difluorobenzene (Surr)	94		70 - 130			03/04/26 11:08	03/05/26 06:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			03/05/26 06:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			03/06/26 15:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		03/03/26 17:34	03/06/26 15:32	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		03/03/26 17:34	03/06/26 15:32	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/03/26 17:34	03/06/26 15:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130			03/03/26 17:34	03/06/26 15:32	1
o-Terphenyl	121		70 - 130			03/03/26 17:34	03/06/26 15:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	122		10.0	mg/Kg			03/04/26 23:24	1

Client Sample Results

Client: Ensolum
 Project/Site: PLU Ross Ranch 33-25-30-USA Bat

Job ID: 890-9562-1
 SDG: 03C1558615

Client Sample ID: CS 36

Lab Sample ID: 890-9562-6

Date Collected: 02/26/26 12:45

Matrix: Solid

Date Received: 02/27/26 14:16

Sample Depth: SURFACE

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/04/26 11:08	03/05/26 06:43	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/04/26 11:08	03/05/26 06:43	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/04/26 11:08	03/05/26 06:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/04/26 11:08	03/05/26 06:43	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/04/26 11:08	03/05/26 06:43	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/04/26 11:08	03/05/26 06:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	03/04/26 11:08	03/05/26 06:43	1
1,4-Difluorobenzene (Surr)	95		70 - 130	03/04/26 11:08	03/05/26 06:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			03/05/26 06:43	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/06/26 15:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/03/26 17:34	03/06/26 15:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/03/26 17:34	03/06/26 15:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/03/26 17:34	03/06/26 15:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	03/03/26 17:34	03/06/26 15:48	1
o-Terphenyl	106		70 - 130	03/03/26 17:34	03/06/26 15:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		9.94	mg/Kg			03/05/26 08:08	1

Client Sample ID: CS 37

Lab Sample ID: 890-9562-7

Date Collected: 02/26/26 12:50

Matrix: Solid

Date Received: 02/27/26 14:16

Sample Depth: SURFACE

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/04/26 11:08	03/05/26 07:04	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/04/26 11:08	03/05/26 07:04	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/04/26 11:08	03/05/26 07:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/04/26 11:08	03/05/26 07:04	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/04/26 11:08	03/05/26 07:04	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/04/26 11:08	03/05/26 07:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	03/04/26 11:08	03/05/26 07:04	1

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Client Sample Results

Client: Ensolum
 Project/Site: PLU Ross Ranch 33-25-30-USA Bat

Job ID: 890-9562-1
 SDG: 03C1558615

Client Sample ID: CS 37

Lab Sample ID: 890-9562-7

Date Collected: 02/26/26 12:50

Matrix: Solid

Date Received: 02/27/26 14:16

Sample Depth: SURFACE

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	96		70 - 130	03/04/26 11:08	03/05/26 07:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/05/26 07:04	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2	mg/Kg			03/06/26 16:03	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2	mg/Kg		03/03/26 17:34	03/06/26 16:03	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		03/03/26 17:34	03/06/26 16:03	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		03/03/26 17:34	03/06/26 16:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	03/03/26 17:34	03/06/26 16:03	1
o-Terphenyl	127		70 - 130	03/03/26 17:34	03/06/26 16:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66.5		9.96	mg/Kg			03/04/26 23:30	1

Surrogate Summary

Client: Ensolum
 Project/Site: PLU Ross Ranch 33-25-30-USA Bat

Job ID: 890-9562-1
 SDG: 03C1558615

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-68862-A-1-C MS	Matrix Spike	124	95
880-68862-A-1-D MSD	Matrix Spike Duplicate	122	92
890-9562-1	FS 24	118	95
890-9562-2	FS 29	117	97
890-9562-3	SW 09	123	95
890-9562-4	CS 28 B	124	95
890-9562-5	CS 35	115	94
890-9562-6	CS 36	124	95
890-9562-7	CS 37	122	96
LCS 880-133809/1-A	Lab Control Sample	115	98
LCSD 880-133809/2-A	Lab Control Sample Dup	112	95
MB 880-133675/5-A	Method Blank	108	91
MB 880-133809/5-A	Method Blank	111	91

Surrogate Legend
 BFB = 4-Bromofluorobenzene (Surr)
 DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-9561-A-9-C MS	Matrix Spike	118	123
890-9561-A-9-D MSD	Matrix Spike Duplicate	118	127
890-9562-1	FS 24	115	122
890-9562-2	FS 29	110	117
890-9562-3	SW 09	118	123
890-9562-4	CS 28 B	119	125
890-9562-5	CS 35	113	121
890-9562-6	CS 36	101	106
890-9562-7	CS 37	118	127
LCS 880-133718/2-A	Lab Control Sample	103	108
LCSD 880-133718/3-A	Lab Control Sample Dup	102	109
MB 880-133718/1-A	Method Blank	110	115

Surrogate Legend
 1CO = 1-Chlorooctane
 OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
 Project/Site: PLU Ross Ranch 33-25-30-USA Bat

Job ID: 890-9562-1
 SDG: 03C1558615

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-133675/5-A
 Matrix: Solid
 Analysis Batch: 133749

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 133675

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/03/26 13:08	03/04/26 11:43	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/03/26 13:08	03/04/26 11:43	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/03/26 13:08	03/04/26 11:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/03/26 13:08	03/04/26 11:43	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/03/26 13:08	03/04/26 11:43	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/03/26 13:08	03/04/26 11:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	03/03/26 13:08	03/04/26 11:43	1
1,4-Difluorobenzene (Surr)	91		70 - 130	03/03/26 13:08	03/04/26 11:43	1

Lab Sample ID: MB 880-133809/5-A
 Matrix: Solid
 Analysis Batch: 133749

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 133809

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/04/26 11:08	03/04/26 23:30	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/04/26 11:08	03/04/26 23:30	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/04/26 11:08	03/04/26 23:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/04/26 11:08	03/04/26 23:30	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/04/26 11:08	03/04/26 23:30	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/04/26 11:08	03/04/26 23:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	03/04/26 11:08	03/04/26 23:30	1
1,4-Difluorobenzene (Surr)	91		70 - 130	03/04/26 11:08	03/04/26 23:30	1

Lab Sample ID: LCS 880-133809/1-A
 Matrix: Solid
 Analysis Batch: 133749

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 133809

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09589		mg/Kg		96	70 - 130
Toluene	0.100	0.08918		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.09935		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.2030		mg/Kg		102	70 - 130
o-Xylene	0.100	0.1021		mg/Kg		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-133809/2-A
 Matrix: Solid
 Analysis Batch: 133749

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 133809

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08996		mg/Kg		90	70 - 130	6	35

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QC Sample Results

Client: Ensolum
 Project/Site: PLU Ross Ranch 33-25-30-USA Bat

Job ID: 890-9562-1
 SDG: 03C1558615

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-133809/2-A
 Matrix: Solid
 Analysis Batch: 133749

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 133809

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.08307		mg/Kg		83	70 - 130	7	35
Ethylbenzene	0.100	0.09277		mg/Kg		93	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1882		mg/Kg		94	70 - 130	8	35
o-Xylene	0.100	0.09487		mg/Kg		95	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-68862-A-1-C MS
 Matrix: Solid
 Analysis Batch: 133749

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 133809

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1	0.100	0.07772		mg/Kg		78	70 - 130
Toluene	<0.00200	U F1	0.100	0.07534		mg/Kg		75	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.08702		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1798		mg/Kg		90	70 - 130
o-Xylene	<0.00200	U	0.100	0.08958		mg/Kg		90	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	124		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-68862-A-1-D MSD
 Matrix: Solid
 Analysis Batch: 133749

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 133809

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.100	0.06718	F1	mg/Kg		67	70 - 130	15	35
Toluene	<0.00200	U F1	0.100	0.06733	F1	mg/Kg		67	70 - 130	11	35
Ethylbenzene	<0.00200	U	0.100	0.07828		mg/Kg		78	70 - 130	11	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1615		mg/Kg		81	70 - 130	11	35
o-Xylene	<0.00200	U	0.100	0.08196		mg/Kg		82	70 - 130	9	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-133718/1-A
 Matrix: Solid
 Analysis Batch: 134070

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 133718

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/03/26 17:34	03/06/26 11:40	1

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QC Sample Results

Client: Ensolum
 Project/Site: PLU Ross Ranch 33-25-30-USA Bat

Job ID: 890-9562-1
 SDG: 03C1558615

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-133718/1-A
Matrix: Solid
Analysis Batch: 134070

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 133718

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/03/26 17:34	03/06/26 11:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/03/26 17:34	03/06/26 11:40	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	110		70 - 130	03/03/26 17:34	03/06/26 11:40	1
o-Terphenyl	115		70 - 130	03/03/26 17:34	03/06/26 11:40	1

Lab Sample ID: LCS 880-133718/2-A
Matrix: Solid
Analysis Batch: 134070

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 133718

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	1208		mg/Kg		121	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1-Chlorooctane	103		70 - 130
o-Terphenyl	108		70 - 130

Lab Sample ID: LCSD 880-133718/3-A
Matrix: Solid
Analysis Batch: 134070

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 133718

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (Over C10-C28)	1000	1215		mg/Kg		122	70 - 130	1	20

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1-Chlorooctane	102		70 - 130
o-Terphenyl	109		70 - 130

Lab Sample ID: 890-9561-A-9-C MS
Matrix: Solid
Analysis Batch: 134070

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 133718

Analyte	Sample	Sample	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1136		mg/Kg		114	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1091		mg/Kg		108	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1-Chlorooctane	118		70 - 130
o-Terphenyl	123		70 - 130

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QC Sample Results

Client: Ensolum
 Project/Site: PLU Ross Ranch 33-25-30-USA Bat

Job ID: 890-9562-1
 SDG: 03C1558615

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-9561-A-9-D MSD
 Matrix: Solid
 Analysis Batch: 133774

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 133718

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1166		mg/Kg		117	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1114		mg/Kg		110	70 - 130	2	20
Surrogate	%Recovery	MSD Qualifier		MSD					Limits		
1-Chlorooctane	118								70 - 130		
o-Terphenyl	127								70 - 130		

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-133623/1-A
 Matrix: Solid
 Analysis Batch: 133774

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/Kg			03/04/26 21:08	1

Lab Sample ID: LCS 880-133623/2-A
 Matrix: Solid
 Analysis Batch: 133774

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	255.1		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-133623/3-A
 Matrix: Solid
 Analysis Batch: 133774

Client Sample ID: Lab Control Sample Dup
 Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	253.5		mg/Kg		101	90 - 110	1	20

Lab Sample ID: 880-68953-A-16-B MS
 Matrix: Solid
 Analysis Batch: 133774

Client Sample ID: Matrix Spike
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<9.98	U F1	250	297.0	F1	mg/Kg		116	90 - 110

Lab Sample ID: 880-68953-A-16-C MSD
 Matrix: Solid
 Analysis Batch: 133774

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<9.98	U F1	250	294.6	F1	mg/Kg		115	90 - 110	1	20

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QC Association Summary

Client: Ensolum
 Project/Site: PLU Ross Ranch 33-25-30-USA Bat

Job ID: 890-9562-1
 SDG: 03C1558615

GC VOA

Prep Batch: 133675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-133675/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 133749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9562-1	FS 24	Total/NA	Solid	8021B	133809
890-9562-2	FS 29	Total/NA	Solid	8021B	133809
890-9562-3	SW 09	Total/NA	Solid	8021B	133809
890-9562-4	CS 28 B	Total/NA	Solid	8021B	133809
890-9562-5	CS 35	Total/NA	Solid	8021B	133809
890-9562-6	CS 36	Total/NA	Solid	8021B	133809
890-9562-7	CS 37	Total/NA	Solid	8021B	133809
MB 880-133675/5-A	Method Blank	Total/NA	Solid	8021B	133675
MB 880-133809/5-A	Method Blank	Total/NA	Solid	8021B	133809
LCS 880-133809/1-A	Lab Control Sample	Total/NA	Solid	8021B	133809
LCSD 880-133809/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	133809
880-68862-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	133809
880-68862-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	133809

Prep Batch: 133809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9562-1	FS 24	Total/NA	Solid	5035	
890-9562-2	FS 29	Total/NA	Solid	5035	
890-9562-3	SW 09	Total/NA	Solid	5035	
890-9562-4	CS 28 B	Total/NA	Solid	5035	
890-9562-5	CS 35	Total/NA	Solid	5035	
890-9562-6	CS 36	Total/NA	Solid	5035	
890-9562-7	CS 37	Total/NA	Solid	5035	
MB 880-133809/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-133809/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-133809/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-68862-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-68862-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 133952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9562-1	FS 24	Total/NA	Solid	Total BTEX	
890-9562-2	FS 29	Total/NA	Solid	Total BTEX	
890-9562-3	SW 09	Total/NA	Solid	Total BTEX	
890-9562-4	CS 28 B	Total/NA	Solid	Total BTEX	
890-9562-5	CS 35	Total/NA	Solid	Total BTEX	
890-9562-6	CS 36	Total/NA	Solid	Total BTEX	
890-9562-7	CS 37	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 133718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9562-1	FS 24	Total/NA	Solid	8015NM Prep	
890-9562-2	FS 29	Total/NA	Solid	8015NM Prep	
890-9562-3	SW 09	Total/NA	Solid	8015NM Prep	
890-9562-4	CS 28 B	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Ensolum
Project/Site: PLU Ross Ranch 33-25-30-USA Bat

Job ID: 890-9562-1
SDG: 03C1558615

GC Semi VOA (Continued)

Prep Batch: 133718 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9562-5	CS 35	Total/NA	Solid	8015NM Prep	
890-9562-6	CS 36	Total/NA	Solid	8015NM Prep	
890-9562-7	CS 37	Total/NA	Solid	8015NM Prep	
MB 880-133718/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-133718/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-133718/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9561-A-9-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-9561-A-9-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 134070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9562-1	FS 24	Total/NA	Solid	8015B NM	133718
890-9562-2	FS 29	Total/NA	Solid	8015B NM	133718
890-9562-3	SW 09	Total/NA	Solid	8015B NM	133718
890-9562-4	CS 28 B	Total/NA	Solid	8015B NM	133718
890-9562-5	CS 35	Total/NA	Solid	8015B NM	133718
890-9562-6	CS 36	Total/NA	Solid	8015B NM	133718
890-9562-7	CS 37	Total/NA	Solid	8015B NM	133718
MB 880-133718/1-A	Method Blank	Total/NA	Solid	8015B NM	133718
LCS 880-133718/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	133718
LCSD 880-133718/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	133718
890-9561-A-9-C MS	Matrix Spike	Total/NA	Solid	8015B NM	133718
890-9561-A-9-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	133718

Analysis Batch: 134113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9562-1	FS 24	Total/NA	Solid	8015 NM	
890-9562-2	FS 29	Total/NA	Solid	8015 NM	
890-9562-3	SW 09	Total/NA	Solid	8015 NM	
890-9562-4	CS 28 B	Total/NA	Solid	8015 NM	
890-9562-5	CS 35	Total/NA	Solid	8015 NM	
890-9562-6	CS 36	Total/NA	Solid	8015 NM	
890-9562-7	CS 37	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 133623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9562-1	FS 24	Soluble	Solid	DI Leach	
890-9562-2	FS 29	Soluble	Solid	DI Leach	
890-9562-3	SW 09	Soluble	Solid	DI Leach	
890-9562-4	CS 28 B	Soluble	Solid	DI Leach	
890-9562-5	CS 35	Soluble	Solid	DI Leach	
890-9562-6	CS 36	Soluble	Solid	DI Leach	
890-9562-7	CS 37	Soluble	Solid	DI Leach	
MB 880-133623/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-133623/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-133623/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-68953-A-16-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-68953-A-16-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
 Project/Site: PLU Ross Ranch 33-25-30-USA Bat

Job ID: 890-9562-1
 SDG: 03C1558615

HPLC/IC

Analysis Batch: 133774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9562-1	FS 24	Soluble	Solid	300.0	133623
890-9562-2	FS 29	Soluble	Solid	300.0	133623
890-9562-3	SW 09	Soluble	Solid	300.0	133623
890-9562-4	CS 28 B	Soluble	Solid	300.0	133623
890-9562-5	CS 35	Soluble	Solid	300.0	133623
890-9562-6	CS 36	Soluble	Solid	300.0	133623
890-9562-7	CS 37	Soluble	Solid	300.0	133623
MB 880-133623/1-A	Method Blank	Soluble	Solid	300.0	133623
LCS 880-133623/2-A	Lab Control Sample	Soluble	Solid	300.0	133623
LCSD 880-133623/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	133623
880-68953-A-16-B MS	Matrix Spike	Soluble	Solid	300.0	133623
880-68953-A-16-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	133623

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Lab Chronicle

Client: Ensolum
 Project/Site: PLU Ross Ranch 33-25-30-USA Bat

Job ID: 890-9562-1
 SDG: 03C1558615

Client Sample ID: FS 24

Lab Sample ID: 890-9562-1

Date Collected: 02/26/26 15:19

Matrix: Solid

Date Received: 02/27/26 14:16

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	133809	03/04/26 11:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	133749	03/05/26 05:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			133952	03/05/26 05:01	AJ	EET MID
Total/NA	Analysis	8015 NM		1			134113	03/06/26 14:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	133718	03/03/26 17:34	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	134070	03/06/26 14:32	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	133623	03/03/26 09:39	SA	EET MID
Soluble	Analysis	300.0		1			133774	03/04/26 22:52	CS	EET MID

Client Sample ID: FS 29

Lab Sample ID: 890-9562-2

Date Collected: 02/26/26 14:01

Matrix: Solid

Date Received: 02/27/26 14:16

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	133809	03/04/26 11:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	133749	03/05/26 05:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			133952	03/05/26 05:21	AJ	EET MID
Total/NA	Analysis	8015 NM		1			134113	03/06/26 14:47	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	133718	03/03/26 17:34	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	134070	03/06/26 14:47	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	133623	03/03/26 09:39	SA	EET MID
Soluble	Analysis	300.0		1			133774	03/04/26 22:58	CS	EET MID

Client Sample ID: SW 09

Lab Sample ID: 890-9562-3

Date Collected: 02/26/26 15:22

Matrix: Solid

Date Received: 02/27/26 14:16

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	133809	03/04/26 11:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	133749	03/05/26 05:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			133952	03/05/26 05:42	AJ	EET MID
Total/NA	Analysis	8015 NM		1			134113	03/06/26 15:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	133718	03/03/26 17:34	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	134070	03/06/26 15:02	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	133623	03/03/26 09:39	SA	EET MID
Soluble	Analysis	300.0		1			133774	03/04/26 23:13	CS	EET MID

Client Sample ID: CS 28 B

Lab Sample ID: 890-9562-4

Date Collected: 02/26/26 14:20

Matrix: Solid

Date Received: 02/27/26 14:16

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	133809	03/04/26 11:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	133749	03/05/26 06:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			133952	03/05/26 06:02	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
 Project/Site: PLU Ross Ranch 33-25-30-USA Bat

Job ID: 890-9562-1
 SDG: 03C1558615

Client Sample ID: CS 28 B

Lab Sample ID: 890-9562-4

Date Collected: 02/26/26 14:20

Matrix: Solid

Date Received: 02/27/26 14:16

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			134113	03/06/26 15:17	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	133718	03/03/26 17:34	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	134070	03/06/26 15:17	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	133623	03/03/26 09:39	SA	EET MID
Soluble	Analysis	300.0		1			133774	03/04/26 23:19	CS	EET MID

Client Sample ID: CS 35

Lab Sample ID: 890-9562-5

Date Collected: 02/26/26 12:40

Matrix: Solid

Date Received: 02/27/26 14:16

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	133809	03/04/26 11:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	133749	03/05/26 06:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			133952	03/05/26 06:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			134113	03/06/26 15:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	133718	03/03/26 17:34	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	134070	03/06/26 15:32	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	133623	03/03/26 09:39	SA	EET MID
Soluble	Analysis	300.0		1			133774	03/04/26 23:24	CS	EET MID

Client Sample ID: CS 36

Lab Sample ID: 890-9562-6

Date Collected: 02/26/26 12:45

Matrix: Solid

Date Received: 02/27/26 14:16

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	133809	03/04/26 11:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	133749	03/05/26 06:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			133952	03/05/26 06:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			134113	03/06/26 15:48	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	133718	03/03/26 17:34	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	134070	03/06/26 15:48	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	133623	03/03/26 09:39	SA	EET MID
Soluble	Analysis	300.0		1			133774	03/05/26 08:08	CS	EET MID

Client Sample ID: CS 37

Lab Sample ID: 890-9562-7

Date Collected: 02/26/26 12:50

Matrix: Solid

Date Received: 02/27/26 14:16

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	133809	03/04/26 11:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	133749	03/05/26 07:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			133952	03/05/26 07:04	AJ	EET MID
Total/NA	Analysis	8015 NM		1			134113	03/06/26 16:03	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	133718	03/03/26 17:34	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	134070	03/06/26 16:03	FC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: PLU Ross Ranch 33-25-30-USA Bat

Job ID: 890-9562-1
SDG: 03C1558615

Client Sample ID: CS 37

Lab Sample ID: 890-9562-7

Date Collected: 02/26/26 12:50

Matrix: Solid

Date Received: 02/27/26 14:16

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	133623	03/03/26 09:39	SA	EET MID
Soluble	Analysis	300.0		1			133774	03/04/26 23:30	CS	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Accreditation/Certification Summary

Client: Ensolum
Project/Site: PLU Ross Ranch 33-25-30-USA Bat

Job ID: 890-9562-1
SDG: 03C1558615

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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Method Summary

Client: Ensolum
 Project/Site: PLU Ross Ranch 33-25-30-USA Bat

Job ID: 890-9562-1
 SDG: 03C1558615

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Sample Summary

Client: Ensolum
Project/Site: PLU Ross Ranch 33-25-30-USA Bat

Job ID: 890-9562-1
SDG: 03C1558615

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9562-1	FS 24	Solid	02/26/26 15:19	02/27/26 14:16	8
890-9562-2	FS 29	Solid	02/26/26 14:01	02/27/26 14:16	1
890-9562-3	SW 09	Solid	02/26/26 15:22	02/27/26 14:16	0-8
890-9562-4	CS 28 B	Solid	02/26/26 14:20	02/27/26 14:16	1
890-9562-5	CS 35	Solid	02/26/26 12:40	02/27/26 14:16	SURFACE
890-9562-6	CS 36	Solid	02/26/26 12:45	02/27/26 14:16	SURFACE
890-9562-7	CS 37	Solid	02/26/26 12:50	02/27/26 14:16	SURFACE

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Environment Testing
 Xenco



Work

www.xenco.com Page 1 of 1

Project Manager:	Tracy Hillard	Bill to: (if different)	Robert Woodall
Company Name:	Ensolum	Company Name:	XTO Energy, Inc
Address:	3122 National Parks Hwy	Address:	3104 E Greene St
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Carlsbad, NM 88220
Phone:	575-937-3906	Email:	richard.kozur@xencomobility.com

Program:	UST/PST	RP	Ironfields	RC	perfund
State of Project:	Reporting: Level II	Level III	PST/UST	TRRP	Level IV
Deliverables:	EDD	ADaPT	Other:		

Project Name:	PLU Ross Ranch 33-25-30 USA Bat	Turn Around	<input type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	
Project Number:	03C1558615	Due Date:			
Project Location:	32.093408, -103.892262	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Evan Roe	Wet Ice:	Yes No		
PO #:		Thermometer ID:	None 7		
Temp Blank:	Yes No	Correction Factor:	0.7		
Samples Received Intact:	Yes No	Temperature Reading:	0.4		
Cooler Custody Seals:	Yes No	Corrected Temperature:	0.2		
Sample Custody Seals:	Yes No				
Total Containers:					

None:	NO	DI Water:	H ₂ O
Cool:	Cool	MeOH:	Me
HCL:	HC	HNO ₃ :	HN
H ₂ SO ₄ :	H ₂	NaOH:	Na
H ₃ PO ₄ :	HP		
NaHSO ₄ :	NABIS		
Na ₂ S ₂ O ₃ :	NaSO ₃		
Zn Acetate:	+NaOH: Zn		
NaOH:	Ascorbic Acid: SAPC		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters			Sample Comments
							TPH	BTEX	Chlorides	
FS 24	Soil	2/26/2026	1519	6'	Comp	1	✓	✓	✓	Incident ID:
FS 29	Soil	2/26/2026	1401	1'	Comp	1	✓	✓	✓	nAPP2505230590
SW 09	Soil	2/26/2026	1522	0-8'	Comp	1	✓	✓	✓	CC:
CS 28 B	Soil	2/26/2026	1420	1'	Comp	1	✓	✓	✓	1081111001
CS 35	Soil	2/26/2026	6545	Surface	Comp	1	✓	✓	✓	GFCM: 48605000
CS 36	Soil	2/26/2026	1245		Comp	1	✓	✓	✓	
CS 37	Soil	2/26/2026	1250		Comp	1	✓	✓	✓	

ANALYSIS REQUEST										
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Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Tl Sn U V Zn
 Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$65.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Evan Roe</i>	<i>Albrecht</i>	2/27 14:02			



Eurofins Carlsbad
 1089 N Canal St.
 Carlsbad, NM 88220
 Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler: N/A	Lab PM: Kramer, Jessica	Carrier Tracking No(s): N/A	COC No: 890-6570-1
Client Contact: Shipping/Receiving		Phone: N/A	E-Mail: Jessica.Kramer@et.eurofins.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing South Cent		Accreditations Required (See note): NELAP - Texas			

Address: 1211 W. Florida Ave., Midland, TX, 79701		Due Date Requested: 3/5/2026	Analysis Requested		
City: Midland	State, Zip: TX, 79701	TAT Requested (days): N/A	Perform MS/MSD (Yes or No)	Field Filtered Sample (Yes or No)	Total Number of Containers
Phone: 432-704-5440(Tel)	PO #: N/A		8015MMD_NM/8015NM_S_Prep(MOD) Full TPH		
Email: N/A	WO #: N/A		8015MMD_Calc		
Project Name: PLJ Ross Ranch 33-25-30-USA Bat	Project #: 89000110		300_ORGFM_28/DI_LEACHLORIDE		
Site: N/A	SSOW#: N/A		8021B/5035FP_Calc(MOD) BTEX		
			Total_BTEX_GCV		

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=water/oil, AT=Tissue, A=Air)	Preservation Code	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MMD_NM/8015NM_S_Prep(MOD) Full TPH	8015MMD_Calc	300_ORGFM_28/DI_LEACHLORIDE	8021B/5035FP_Calc(MOD) BTEX	Total_BTEX_GCV	Special Instructions/Note:
FS 24 (890-9562-1)	2/26/26	15:19 Mountain	G	Solid		X	X	X	X	X	X	X	
FS 29 (890-9562-2)	2/26/26	14:01 Mountain	G	Solid		X	X	X	X	X	X	X	
SW 09 (890-9562-3)	2/26/26	15:22 Mountain	G	Solid		X	X	X	X	X	X	X	
CS 28 B (890-9562-4)	2/26/26	14:20 Mountain	G	Solid		X	X	X	X	X	X	X	
CS 35 (890-9562-5)	2/26/26	12:40 Mountain	G	Solid		X	X	X	X	X	X	X	
CS 36 (890-9562-6)	2/26/26	12:45 Mountain	G	Solid		X	X	X	X	X	X	X	
CS 37 (890-9562-7)	2/26/26	12:50 Mountain	G	Solid		X	X	X	X	X	X	X	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification

Unconfirmed Return To Client Disposal By Lab Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

Special Instructions/QC Requirements:

Empty Kit Relinquished by: *Burns* Date: 2/27/26 Time: 1630

Relinquished by: *Sal* Date/Time: _____ Company: _____

Relinquished by: _____ Date/Time: _____ Company: _____

Relinquished by: _____ Date/Time: _____ Company: _____

Custody Seals Intact: Yes No Custody Seal No.: _____

Cooler Temperature(s) °C and Other Remarks:



Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9562-1

SDG Number: 03C1558615

Login Number: 9562

List Number: 1

Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9562-1

SDG Number: 03C1558615

Login Number: 9562

List Number: 2

Creator: Dyal, Erica

List Source: Eurofins Midland

List Creation: 03/02/26 10:11 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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Appendix E

Spill Volume Calculation

Location:	PLU Ross Draw 33-25-30 USA Battery	
Spill Date:	2/20/2025	
Area 1		
Approximate Area =	7595.00	sq. ft.
Average Saturation (or depth) of spill =	0.25	inches
Average Porosity Factor =	0.15	
VOLUME OF LEAK		
Total Crude Oil =	6.00	bbls
Total Produced Water =		bbls
TOTAL VOLUME OF LEAK		
Total Crude Oil =	6.00	bbls
Total Produced Water =		bbls
TOTAL VOLUME RECOVERED		
Total Crude Oil =	2.00	bbls
Total Produced Water =		bbls

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

QUESTIONS

Action 434143

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 434143
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2505230590
Incident Name	NAPP2505230590 PLU ROSS RANCH 33-25-30 USA BATTERY @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Received
Incident Facility	[fAPP2126357392] PLU ROSS RANCH 33 25 30 USA BATT

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	PLU ROSS RANCH 33-25-30 USA BATTERY
Date Release Discovered	02/20/2025
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	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	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Freeze 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

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QUESTIONS, Page 2

Action 434143

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 434143
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	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	<i>Unavailable.</i>

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

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	<i>Not answered.</i>

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

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

I hereby agree and sign off to the above statement	Name: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 02/21/2025
--	--

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QUESTIONS, Page 3

Action 434143

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 434143
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization

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.

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

Remediation Plan

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.

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

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CONDITIONS

Action 434143

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 434143
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	None	2/21/2025

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QUESTIONS

Action 570193

QUESTIONS

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 570193
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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 Closure Report Received
Incident Facility	[fAPP2126357392] PLU ROSS RANCH 33 25 30 USA BATT

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	PLU ROSS RANCH 33-25-30 USA BATTERY
Date Release Discovered	02/20/2025
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	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	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Freeze 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

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QUESTIONS, Page 2

Action 570193

QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 570193
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

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	<i>Not answered.</i>

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: NMEEnvNotifications@exxonmobil.com Date: 04/01/2026
--	--

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QUESTIONS, Page 3

Action 570193

QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 570193
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization

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.

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

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.

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

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.

On what estimated date will the remediation commence	02/27/2025
On what date will (or did) the final sampling or liner inspection occur	02/26/2026
On what date will (or was) the remediation complete(d)	02/26/2026
What is the estimated surface area (in square feet) that will be reclaimed	7395
What is the estimated volume (in cubic yards) that will be reclaimed	340
What is the estimated surface area (in square feet) that will be remediated	7395
What is the estimated volume (in cubic yards) that will be remediated	340

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.

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.

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QUESTIONS, Page 4

Action 570193

QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 570193
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)

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.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(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	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

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

I hereby agree and sign off to the above statement	Name: Richard Kotzur Title: Senior Project Manager Email: NMEnvNotifications@exxonmobil.com Date: 04/01/2026
--	---

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.

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QUESTIONS, Page 5

Action 570193

QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 570193
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 570193

QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 570193
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	556736
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/26/2026
What was the (estimated) number of samples that were to be gathered	40
What was the sampling surface area in square feet	8000

Remediation Closure Request

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

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	7395
What was the total volume (cubic yards) remediated	340
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	7395
What was the total volume (in cubic yards) reclaimed	340
Summarize any additional remediation activities not included by answers (above)	Excavation activities were conducted at the Site in accordance with the approved Work Plan to address the February 2025 release of crude oil. Laboratory analytical results for all final confirmation soil samples collected indicate COC concentrations were compliant with the Closure Criteria. Based on the soil sample laboratory analytical results, no further remediation is required. The excavation will be backfilled with material purchased locally and the Site will be recontoured to match pre-existing site conditions. Excavation of soil has mitigated impacts exceeding the Closure Criteria at the Site. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number nAPP2505230590.

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

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

I hereby agree and sign off to the above statement	Name: Richard Kotzur Title: Senior Project Manager Email: NMEnvNotifications@exxonmobil.com Date: 04/01/2026
--	---

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QUESTIONS, Page 7

Action 570193

QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 570193
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 570193

CONDITIONS

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 570193
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	5/14/2026