ENSOLUM

December 10, 2025

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

Re: Closure Request
PLU PC 33 Fed Battery
Incident Number nAPP2517131027
Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared this *Closure Request* to document assessment, delineation, excavation, and soil sampling activities at PLU PC 33 Fed Battery (Site). The purpose of the remedial activities was to assess for the presence or absence of impacts to soil following a release of crude oil resulting from a flare fire. Based on field observations, field screening activities, and soil sample laboratory analytical results, XTO is submitting this *Closure Request*, describing remedial activities that have occurred and requesting no further remediation for Incident Number nAPP2517131027.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit P, Section 33, Township 24 South, Range 30 East, in Eddy County, New Mexico (32.1682411°, -103.8790659°) and is associated with oil and gas exploration and production operations on Federal land managed by the Bureau of Land Management (BLM).

On June 18, 2025, the flare scrubber sent approximately 0.14 barrels (bbls) of crude oil out of the flare, which ignited and extinguished on the ground. No fluids were recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) via Notification of Release (NOR) on June 20, 2025, and subsequently an Initial C-141 Application (C-141) on July 23, 2025. The release was assigned Incident Number nAPP2517131027.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

Depth to groundwater at the Site is assumed to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. On September 10, 2020, soil boring C-4474 was drilled 0.89 miles north of the Site, to a total depth of 110 feet bgs. A field geologist logged and described soils continuously. No moisture or groundwater was encountered during drilling activities. The borehole was left open for over 72 hours to allow for potential slow infill of groundwater. After the 72-hour waiting period without observing groundwater, it was confirmed that groundwater depth is greater than 110 feet bgs. The borehole was properly abandoned with drill cuttings and hydrated bentonite chips. The Well Record & Log for soil boring C-4474 is provided in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a seasonal dry wash located 3,682 feet to the south. 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 potentially unstable geology (low potential karst designation area). Potential Site receptors are identified on Figure 1.

Based on the results of the Site Characterization, and the NMOCD guidance of having groundwater data within 0.5 miles of the Site, 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

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

Based on the location of the release, BLM land access approval was needed prior to conducting remedial activities with mechanical equipment. XTO submitted a Form 3160-5 (Sundry) to the BLM to request access to the pasture soils on July 17, 2025. XTO received an approved Sundry, granting access to complete remediation on July 23, 2025. The approved Sundry is presented in Appendix B.

CONFIRMATION SOIL SAMPLING AND EXCAVATION ACTIVITIES

On June 19, 2025, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the C-141 and visual observations. The release extent was mapped utilizing a handheld Global Positioning System (GPS) unit. The release extent is presented on Figure 2.

On July 31, 2025, Ensolum personnel returned to the Site to surface scrape visual impacts and collect composite soil samples representing no more than 200 square feet from the release extent. The surficial scorching and the entirety of the release extent was scraped via heavy equipment to a depth not exceeding 6 inches. Soil samples SS01 through SS24 and composite floor and sidewalls samples FS01 and SW01, respectively, were then collected at ground surface and were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. The 5-point composite soil samples were collected by placing five equivalent aliquots of soil into a resealable plastic bag and homogenizing the samples by thorough mixing. The soil samples were mapped with a handheld GPS unit and are presented on Figure 2.

All 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 Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, and Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following contaminants of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA method 300.0 or Standard Method SM4500.

Laboratory analytical results for composite soil samples SS01, SS05, SS07 through SS10, SS13, SS16, and SS18 through SS22, collected from ground surface within the release extent, indicated all COC concentrations were in compliance with Site Closure Criteria and reclamation requirements. Laboratory analytical results for composite soil samples SS02 through SS04, SS11, SS12, SS14, SS15, SS17, SS23, and SS24, along with composite soil samples FS01 and SW01 indicated TPH concentrations exceeded Site Closure Criteria and reclamation requirements. As such, additional excavation activities were warranted.

Between August 15 and 26, 2025, Ensolum personnel returned to Site to oversee excavation activities to address impacted soil identified in the areas of SS02 through SS04, SS11, SS12, SS14, SS15, SS17, SS23, SS24, FS01, and SW01. Impacted soil was excavated from the release area as indicated by the composite soil sampling laboratory analytical results. Excavation activities were performed using heavy equipment and transport vehicles. To direct excavation activities, the soil samples were field screened in the same manner as described above. Following the removal of impacted soil, Ensolum personnel collected 5-point composite soil samples representing no more than 200 square feet from the floor and sidewalls of the excavations. Confirmation soil samples FS01A through FS13 were collected from the floor of the excavation at depths ranging between 1-foot and 2 feet bgs. Confirmation sidewall soil samples SW02 through SW05 were collected from the sidewalls of the excavation at depths ranging from ground surface to 2 feet bgs. The confirmation soil samples were handled in the same manner and taken to Cardinal for analysis of the same COCs as mentioned above. The excavation extents and confirmation floor and sidewall locations were mapped utilizing a handheld GPS unit and are presented on Figure 2. Photographic documentation for all excavation activities is included in Appendix C.

The final excavation extents measured approximately 2,537 square feet in total. A total of approximately 102 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the OWL Landfill Disposal in Jal, New Mexico. The final excavation extent was backfilled with material purchased locally and recontoured to match pre-existing Site conditions. Waste disposal manifests will be made available upon request.

DELINEATION ACTIVITIES

On September 22, 2025, Ensolum personnel returned to the Site to collect additional delineation. Soil samples SS25 through SS35 were collected from around the release extent at ground surface to define the lateral extent of the release and composite soil sampling areas. The samples were field screened in the same manner as previously described. The delineation soil sample locations were mapped utilizing a handheld GPS unit and are depicted on Figure 3. Photographic documentation for all composite soil sampling and delineation activities is included in Appendix C.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for delineation soil samples SS25 through SS33, collected outside of the release extent, indicated all COC concentrations were in compliance with Site Closure Criteria and reclamation requirements, successfully defining the lateral extent of the release.

Laboratory analytical results for all final excavation soil samples and confirmation soil samples collected indicated all COC concentrations were compliant with the Closure Criteria and reclamation requirements. Laboratory analytical results are summarized in Table 1, and the complete laboratory analytical reports are included as Appendix D.

CLOSURE REQUEST

Site assessment, delineation and excavation activities were conducted to address the June 2025 flare fire and crude oil release. Laboratory analytical results for all final excavation floor and sidewall confirmation soil samples, collected from the excavation extents indicated all COC concentrations were compliant with the Closure Criteria and reclamation requirements. Laboratory analytical results for composite soil samples composite soil samples SS01, SS05, SS07 through SS10, SS13, SS16, and SS18 through SS22, along with excavation sidewall samples SW01 through SW05, collected at depths ranging from ground surface to 2 feet bgs, indicated all COC concentrations were in compliance with Site Closure Criteria and reclamations requirements, successfully defining the lateral extent of the release. Laboratory analytical results for delineation soil samples SS25 through SS35 indicated all COC concentrations were in compliance with Site Closure Criteria and reclamation requirements, successfully adding additional definition of the lateral extent of the release. Based on the soil sample analytical results, no further remediation was required. The excavation was backfilled with material purchased locally and the Site recontoured to match pre-existing Site conditions. XTO will submit a reclamation plan within 90 days of an approved *Closure Request*.

Excavation of soil has mitigated impacts at this Site. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number nAPP2517131027.

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

Sincerely,
Ensolum, LLC

Jeremy Reich
Project Geologist

Tacoma Morrissey
Associate Principal

cc: Robert Woodall, XTO
Richard Kotzur, XTO
BLM

Appendices:

Figure 1	Site Receptor Map
Figure 2	Composite Soil Sample Locations
Figure 3	Delineation Soil Sample Locations
Figure 4	Excavation Soil Sample Locations
Table 1	Soil Sample Analytical Results
Appendix A	Well Log & Record
Appendix B	BLM Land Access Approval
Appendix C	Photographic Log
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix E	Spill Volume Calculation

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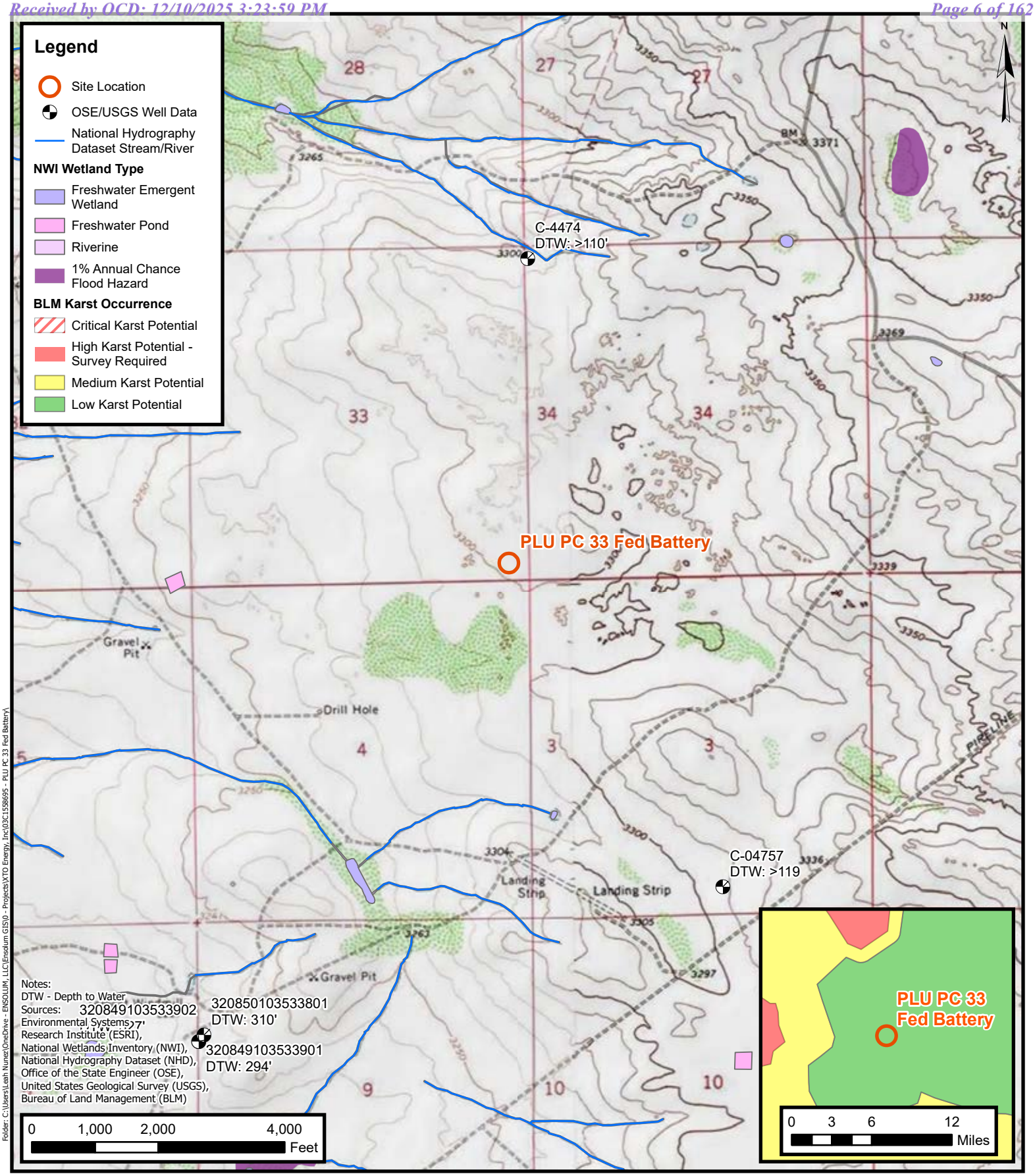
FIGURES



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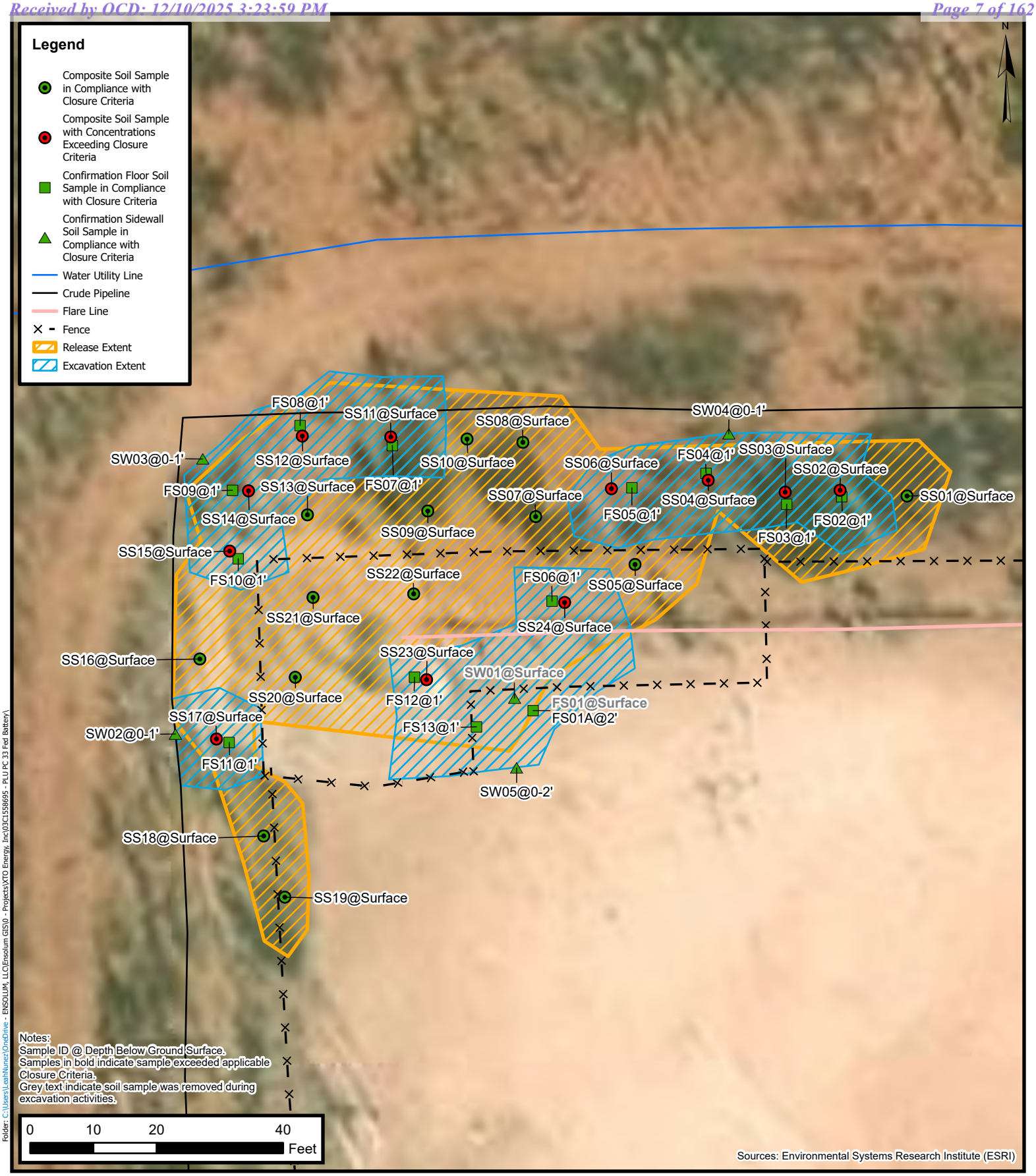
Environmental, Engineering and Hydrogeologic Consultants

Site Receptor Map

XTO Energy, Inc.
PLU PC 33 Fed Battery
Incident Number: nAPP2517131027
Unit P, Section 33, T 24S, R 30E
Eddy County, New Mexico

FIGURE 1



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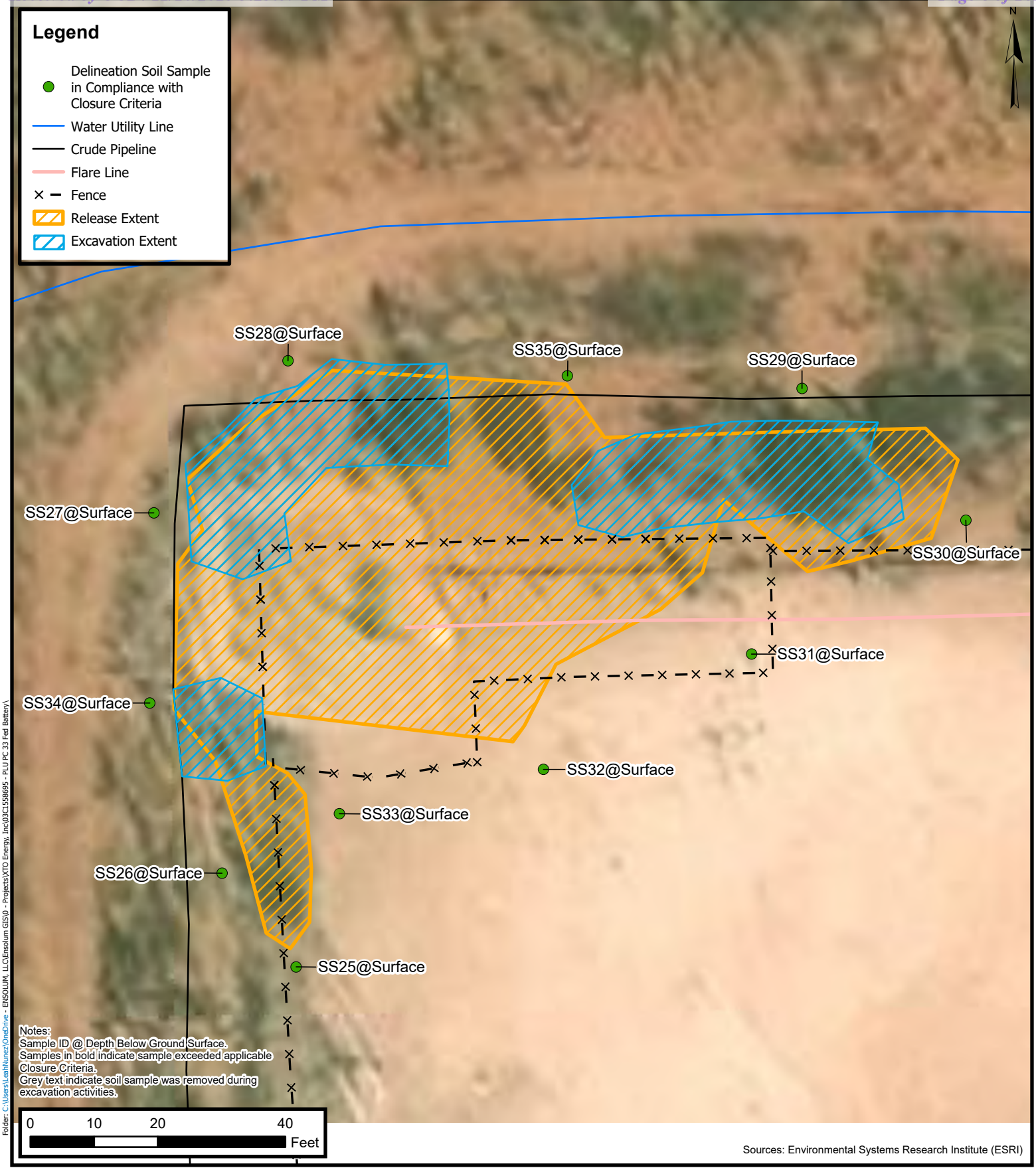
Confirmation Soil Sample Locations

XTO Energy, Inc.
PLU PC 33 Fed Battery
Incident Number: nAPP2517131027
Unit P, Section 33, T 24S, R 30E
Eddy County, New Mexico

FIGURE 2



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Delineation Soil Sample Locations

XTO Energy, Inc.
PLU PC 33 Fed Battery
Incident Number: nAPP2517131027
Unit P, Section 33, T 24S, R 30E
Eddy County, New Mexico

FIGURE 3

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TABLES

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
PLU PC 33 Fed 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
Confirmation Soil Samples										
SS01	07/31/2025	Surface	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	<9.92
~~SS02~~	~~07/31/2025~~	~~Surface~~	~~<0.00202~~	~~<0.00403~~	~~<50.0~~	~~117~~	~~<50.0~~	~~117~~	~~117~~	~~<9.98~~
~~SS03~~	~~07/31/2025~~	~~Surface~~	~~<0.00199~~	~~<0.00398~~	~~<49.8~~	~~168~~	~~<49.8~~	~~168~~	~~168~~	~~<9.94~~
~~SS04~~	~~07/31/2025~~	~~Surface~~	~~<0.00199~~	~~<0.00398~~	~~<50.0~~	~~375~~	~~<50.0~~	~~375~~	~~375~~	~~<9.96~~
SS05	07/31/2025	Surface	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	91.9
~~SS06~~	~~07/31/2025~~	~~Surface~~	~~<0.00201~~	~~<0.00402~~	~~<49.7~~	~~356~~	~~<49.7~~	~~356~~	~~356~~	~~<10.0~~
SS07	07/31/2025	Surface	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	<10.0
SS08	07/31/2025	Surface	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	<10.1
SS09	07/31/2025	Surface	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	<10.1
SS10	07/31/2025	Surface	<0.00198	<0.00397	<49.8	<49.8	<49.8	<49.8	<49.8	<10.1
~~SS11~~	~~07/31/2025~~	~~Surface~~	~~<0.00202~~	~~<0.00404~~	~~<49.9~~	~~225~~	~~<49.9~~	~~225~~	~~225~~	~~<10.1~~
~~SS12~~	~~07/31/2025~~	~~Surface~~	~~<0.00200~~	~~<0.00401~~	~~<50.0~~	~~133~~	~~<50.0~~	~~133~~	~~133~~	~~<9.98~~
SS13	07/31/2025	Surface	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	<9.96
~~SS14~~	~~07/31/2025~~	~~Surface~~	~~<0.00201~~	~~<0.00402~~	~~<50.0~~	~~440~~	~~<50.0~~	~~440~~	~~440~~	~~<10.0~~
~~SS15~~	~~07/31/2025~~	~~Surface~~	~~<0.00200~~	~~<0.00401~~	~~<49.8~~	~~303~~	~~<49.8~~	~~303~~	~~303~~	~~<10.1~~
SS16	07/31/2025	Surface	<0.00199	<0.00398	<49.8	65.9	<49.8	65.9	65.9	<10.1
~~SS17~~	~~07/31/2025~~	~~Surface~~	~~<0.00199~~	~~<0.00398~~	~~<49.9~~	~~185~~	~~<49.9~~	~~185~~	~~185~~	~~<10.1~~
SS18	07/31/2025	Surface	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	<10.0
SS19	07/31/2025	Surface	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	<49.8	<9.90
SS20	07/31/2025	Surface	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	<9.96
SS21	07/31/2025	Surface	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	27.1
SS22	07/31/2025	Surface	<0.00202	<0.00403	<49.8	<49.8	<49.8	<49.8	<49.8	<10.1
~~SS23~~	~~07/31/2025~~	~~Surface~~	~~<0.00200~~	~~<0.00399~~	~~<49.9~~	~~103~~	~~<49.9~~	~~103~~	~~103~~	~~11.4~~
~~SS24~~	~~07/31/2025~~	~~Surface~~	~~<0.00201~~	~~<0.00402~~	~~<50.0~~	~~477~~	~~<50.0~~	~~477~~	~~477~~	~~<10.0~~
~~FS01~~	~~07/31/2025~~	~~Surface~~	~~<0.00200~~	~~<0.00400~~	~~<50.0~~	~~641~~	~~<50.0~~	~~641~~	~~641~~	~~43.7~~
FS01A	08/26/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
FS02	08/15/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS03	08/15/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS04	08/15/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS05	08/15/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS06	08/15/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS07	08/15/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
PLU PC 33 Fed 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
FS08	08/15/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS09	08/15/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS10	08/15/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS11	08/15/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS12	08/15/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS13	08/26/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
~~SW01~~	~~07/31/2025~~	~~Surface~~	~~<0.00199~~	~~<0.00398~~	~~<50.0~~	~~713~~	~~<50.0~~	~~713~~	~~**713**~~	~~42.5~~
SW02	08/15/2025	0-1	<0.050	<0.300	<10.0	14.0	<10.0	14.0	14.0	64.0
SW03	08/15/2025	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW04	08/15/2025	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW05	08/26/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
Delineation Soil Samples										
SS25	09/22/2025	Surface	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	90.0
SS26	09/22/2025	Surface	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	142
SS27	09/22/2025	Surface	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	198
SS28	09/22/2025	Surface	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	133
SS29	09/22/2025	Surface	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	90.8
SS30	09/22/2025	Surface	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	89.7
SS31	09/22/2025	Surface	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	144
SS32	09/22/2025	Surface	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	110
SS33	09/22/2025	Surface	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	131
SS34	09/22/2025	Surface	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	117
SS35	09/22/2025	Surface	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	98.6

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

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APPENDIX A

Well Record & Log

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD1 (BH-01)	n/a	C-4474

WELL OWNER NAME(S)	PHONE (OPTIONAL)
XTO Energy (Kyle Littrell)	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
6401 Holiday Hill Dr.	Midland	TX	79707

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32°	10'	51.44"	N
	LONGITUDE	-103°	52'	38.65"	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1249	Jackie D. Atkins	Atkins Engineering Associates, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
09/10/20	09/10/20	temporary well material	110	n/a

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED) — STATIC WATER LEVEL IN COMPLETED WELL (FT): n/a

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY: Hollow Stem Auger

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	48	±8.5	Boring- HSA	--	--	--	--
48	110	±4.5	Boring- Air Rotary	--	--	--	--

3. ANNULAR MATERIAL

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

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO.	C-4474	POD NO.	1	TRN NO.	677410
LOCATION	24S.30E.34.111			WELL TAG ID NO.	—

PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	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)
0	30	30	Sand, Medium , poorly-graded with silt, no plasticity, Red-Brown	Y ✓ N	
30	45	15	Clayey Sand, Medium, low plasticity, Dark Red-Brown	Y ✓ N	
45	50	5	Sand, Medium , poorly-graded, compacted, no plasticity, Brown	Y ✓ N	
50	58	8	Caliche, well cemented with medium sand matrix. Brown	Y ✓ N	
58	73	15	Clayey Sand, Medium, Moderate plasticity, increasing clay, Brown	Y ✓ N	
73	78	5	Caliche, with Sandy clay layering, mod plasticity, poorly-grated sand, White	Y ✓ N	
78	83	5	Sand, Medium , poorly-graded, no plasticity, Light Brown	Y ✓ N	
83	88	5	Clayey Sand, Medium, Moderate plasticity, decreasing clay, Red Brown	Y ✓ N	
88	110	22	Sand, Fine , poorly-graded, no plasticity , Brown	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Temporary well materials removed and the soil boring backfilled using drill cuttings from total depth to ten feet below ground surface, then hydrated bentonite chips from ten feet below ground surface to surface. Logs adapted from LTE on-site geologist.

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Shane Eldridge

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

Jack Atkins — Jackie D. Atkins — 10/07/2020

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO.	C-4474	POD NO.	1	TRN NO.	677410
LOCATION	24S.30E.34.111			WELL TAG ID NO.	—

PAGE 2 OF 2

ENSOLUM

APPENDIX B

BLM Land Access

U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Sundry Print Report
07/23/2025

Well Name: POKER LAKE UNIT CVX JV PC

Well Location: T24S / R30E / SEC 33 / SESE / 32.167987 / -103.878578

County or Parish/State: EDDY / NM

Well Number: 6H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number:

Unit or CA Name: PLU PIERCE CANYON 28 FEDERAL1H

Unit or CA Number: NMNM71016K

US Well Number: 300153663600S1

Operator: XTO PERMIAN OPERATING LLC

Notice of Intent

Sundry ID: 2863937

Type of Submission: Notice of Intent

Type of Action: Other

Date Sundry Submitted: 07/17/2025

Time Sundry Submitted: 01:52

Date proposed operation will begin: 07/24/2025

Procedure Description: XTO Permian Operating LLC., (XTO) respectfully requests access to an off-pad pasture area, adjacent to an active lease pad, located 158 feet northwest of the Poker Lake Unit CVX JV PC #006H well. Access is needed in order to complete remediation activities related to a flare fire that occurred on June 18, 2025 (Incident Number nAPP2517131027). The PLU CVX JV PC #006H well is the closest XTO operated well located on BLM land. The fire occurred at GPS 32.168248, -103.879071 along the northwest corner of the pad and pasture area. Excavation of impacted soil is needed utilizing heavy equipment (backhoe, trackhoe, loader, and hydrovaccum truck). After successful completion of remediation efforts, the disturbed area will be backfilled with top soil purchased locally and re-countoured to match pre-existing site conditions and re-seeded with the recommended BLM seed mixture. Excavation activities will begin within 90 days following the approval of this request.

Surface Disturbance

Is any additional surface disturbance proposed?: Yes

Proposed Disturbance(acres): 0.89

Interim Reclamation (acres): 0.0

Long Term Disturbance (acres): 0.0

Surface Disturbance:

NOI Attachments

Procedure Description

PLU_CVX_JV_PC_006H_Requested_Distrurbance_Site_Map___nAPP2517131027_20250717134725.pdf

Well Name: POKER LAKE UNIT CVX JV PC	**Well Location:** T24S / R30E / SEC 33 / SESE / 32.167987 / -103.878578	**County or Parish/State:** EDDY / NM
Well Number: 6H	**Type of Well:** OIL WELL	**Allottee or Tribe Name:**
Lease Number:	**Unit or CA Name:** PLU PIERCE CANYON 28 FEDERAL1H	**Unit or CA Number:** NMNM71016K
US Well Number: 300153663600S1	**Operator:** XTO PERMIAN OPERATING LLC	

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: SHERRY MORROW

Signed on: JUL 17, 2025 01:51 PM

Name: XTO PERMIAN OPERATING LLC

Title: Regulatory Analyst

Street Address: 6401 HOLIDAY HILL ROAD BLDG 5

City: MIDLAND **State:** TX

Phone: (432) 218-3671

Email address: SHERRY.MORROW@EXXONMOBIL.COM

Field

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

BLM Point of Contact

BLM POC Name: CRISHA A MORGAN

BLM POC Title: Environmental Protection Specialist

BLM POC Phone: 5752345987

BLM POC Email Address: camorgan@blm.gov

Disposition: Approved

Disposition Date: 07/23/2025

Signature: CRISHA A. MORGAN

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No. NMLC068430

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No. PLU PIERCE CANYON 28 FEDERAL1H/NMNM71016K

1. Type of Well
☑ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No. POKER LAKE UNIT CVX JV PC/6H

2. Name of Operator XTO PERMIAN OPERATING LLC

9. API Well No. 3001536636

3a. Address 6401 HOLIDAY HILL ROAD BLDG 5, MIDLAND,

3b. Phone No. *(include area code)* (432) 683-2277

10. Field and Pool or Exploratory Area LOS MEDANOS/WOLFCAMP

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* SEC 33/T24S/R30E/NMP

11. Country or Parish, State EDDY/NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☑ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

XTO Permian Operating LLC., (XTO) respectfully requests access to an off-pad pasture area, adjacent to an active lease pad, located 158 feet northwest of the Poker Lake Unit CVX JV PC #006H well. Access is needed in order to complete remediation activities related to a flare fire that occurred on June 18, 2025 (Incident Number nAPP2517131027). The PLU CVX JV PC #006H well is the closest XTO operated well located on BLM land. The fire occurred at GPS 32.168248, -103.879071 along the northwest corner of the pad and pasture area. Excavation of impacted soil is needed utilizing heavy equipment (backhoe, trackhoe, loader, and hydrovaccum truck). After successful completion of remediation efforts, the disturbed area will be backfilled with top soil purchased locally and re-countoured to match pre-existing site conditions and re-seeded with the recommended BLM seed mixture. Excavation activities will begin within 90 days following the approval of this request.

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)* SHERRY MORROW / Ph: (432) 218-3671

Title Regulatory Analyst

Signature (Electronic Submission)

Date 07/17/2025

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by CRISHA A MORGAN / Ph: (575) 234-5987 / Approved

Title Environmental Protection Speciali:

Date 07/23/2025

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office CARLSBAD

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.
AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.
PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.
ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.
EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.
Response to this request is mandatory.
The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect ofthis form to U.S. Department ofthe Interior, Bureau ofLand Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

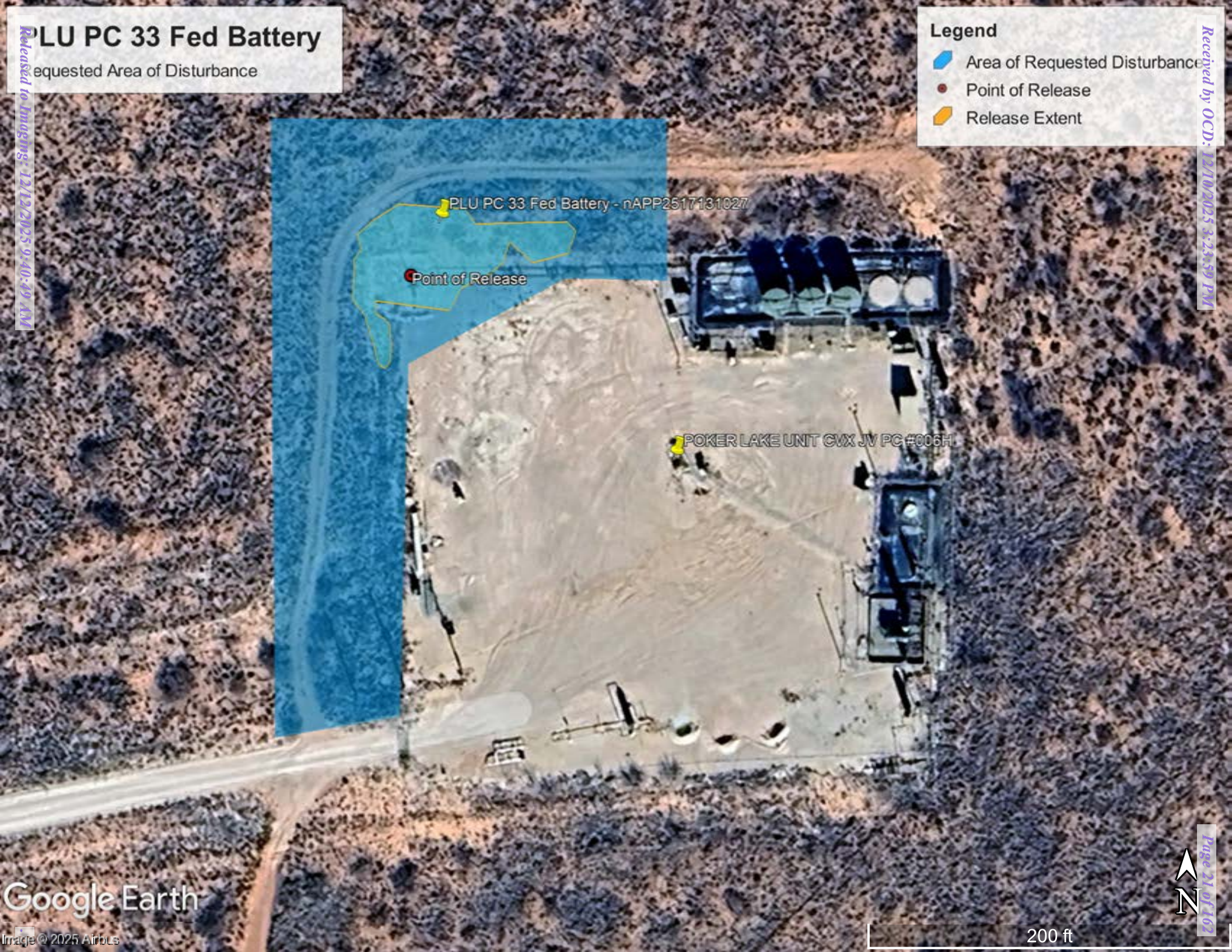
Location of Well

0. SHL: SESE / 350 FSL / 350 FEL / TWSP: 24S / RANGE: 30E / SECTION: 33 / LAT: 32.167987 / LONG: -103.878578 (TVD: 0 feet, MD: 12565 feet)

BHL: NENE / 350 FNL / 350 FEL / TWSP: 24S / RANGE: 30E / SECTION: 33 / LAT: 0.0 / LONG: 0.0 (TVD: 0 feet, MD: 12565 feet)

PLU PC 33 Fed Battery

Requested Area of Disturbance



ENSOLUM

APPENDIX C

Photographic Log

ENSOLUM

Photographic Log
XTO Energy Inc.
PLU PC 33 Fed Battery
Incident No. nAPP2517131027

Photograph: 1 Date: 6/19/2025
Description: Impacts around flare.
View: Northwest

Photograph: 2 Date: 6/19/2025
Description: Impacts around flare.
View: Northeast

Photograph: 3 Date: 7/30/2025
Description: Surface scraping activities near SW02, FS11
View: Northeast

Photograph: 4 Date: 7/31/2025
Description: Surface scraping activities near SW03, FS10, FS09
View: Northwest

ENSOLUM

Photographic Log
XTO Energy, Inc.
PLU PC 33 Fed Battery
Incident No. nAPP2517131027

Photograph: 5 Date: 7/31/2025
Description: Scraping activities near SS15, SS14
View: Northwest

Photograph: 6 Date: 8/1/2025
Description: Scraping activites on pad near flare line and SS32
View: West

Photograph: 7 Date: 8/14/2025
Description: Excavation activities near FS11
View: Southeast

Photograph: 8 Date: 8/19/2025
Description: Excavation activities near FS03, FS04, FS05
View: West

ENSOLUM

Photographic Log
XTO Energy, Inc.
PLU PC 33 Fed Battery
Incident No. nAPP2517131027

Photograph: 9 Date: 8/26/2025
Description: Excavation activities near FS01
View: Northwest

Photograph: 10 Date: 8/26/2025
Description: Excavation activities near FS09, FS08, FS07
View: East

Photograph: 11 Date:9/22/2025
Description: Lateral delineation near SS32
View: West

Photograph: 12 Date: 9/22/2025
Description: Backfill and additional lateral delination near SS27
View: Southeast

ENSOLUM

APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ashley Holmes
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 8/5/2025 9:23:55 AM

JOB DESCRIPTION

PLU PC 33 BATTERY
03C1558695

JOB NUMBER

890-8553-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

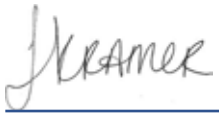
Eurofins Carlsbad

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
8/5/2025 9:23:55 AM

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

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Laboratory Job ID: 890-8553-1
SDG: 03C1558695

Table of Contents

Definitions/Glossary

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
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 Job ID: 890-8553-1
Project: PLU PC 33 BATTERY

Job ID: 890-8553-1 Eurofins Carlsbad

Job Narrative
890-8553-1

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 8/1/2025 8:00 AM. 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: SS 01 (890-8553-1), SS 02 (890-8553-2), SS 03 (890-8553-3), SS 04 (890-8553-4), SS 05 (890-8553-5), SS 06 (890-8553-6), SS 07 (890-8553-7), SS 08 (890-8553-8), SS 09 (890-8553-9), SS 10 (890-8553-10), SS 11 (890-8553-11), SS 12 (890-8553-12), SS 13 (890-8553-13), SS 14 (890-8553-14), SS 15 (890-8553-15), SS 16 (890-8553-16), SS 17 (890-8553-17), SS 18 (890-8553-18), SS 19 (890-8553-19), SS 20 (890-8553-20), SS 21 (890-8553-21), SS 22 (890-8553-22), SS 23 (890-8553-23), SS 24 (890-8553-24), FS 01 (890-8553-25) and SW 01 (890-8553-26).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: SS 01 (890-8553-1), SS 02 (890-8553-2), SS 03 (890-8553-3), SS 04 (890-8553-4), SS 05 (890-8553-5), SS 06 (890-8553-6), SS 07 (890-8553-7), SS 08 (890-8553-8), SS 09 (890-8553-9), SS 10 (890-8553-10), SS 11 (890-8553-11), SS 12 (890-8553-12), SS 13 (890-8553-13), SS 14 (890-8553-14), SS 15 (890-8553-15), SS 16 (890-8553-16), SS 17 (890-8553-17), SS 18 (890-8553-18), SS 19 (890-8553-19), SS 20 (890-8553-20), (CCV 880-115644/2), (CCV 880-115644/20), (CCV 880-115644/33), (LCS 880-115646/1-A), (LCSD 880-115646/2-A), (MB 880-115646/5-A), (890-8553-A-1-A MS) and (890-8553-A-1-B MSD). 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.

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_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-115661 and analytical batch 880-115670 were outside control. 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.

The associated samples are: SS 01 (890-8553-1), SS 02 (890-8553-2), SS 03 (890-8553-3), SS 04 (890-8553-4), SS 05 (890-8553-5), SS 06 (890-8553-6), SS 07 (890-8553-7), SS 08 (890-8553-8), SS 09 (890-8553-9), SS 10 (890-8553-10), (890-8553-A-1-E MS) and (890-8553-A-1-F MSD).

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike (MS) recoveries for preparation batch 880-115661 and analytical batch 880-115670 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

The associated samples are: SS 11 (890-8553-11), SS 12 (890-8553-12), SS 13 (890-8553-13), SS 14 (890-8553-14), SS 15 (890-8553-15), SS 16 (890-8553-16), SS 17 (890-8553-17), SS 18 (890-8553-18), SS 19 (890-8553-19), SS 20 (890-8553-20) and (890-8553-A-11-C MS).

Eurofins Carlsbad

Case Narrative

Client: Ensolum Job ID: 890-8553-1
Project: PLU PC 33 BATTERY

Job ID: 890-8553-1 (Continued) Eurofins Carlsbad

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

Client Sample Results

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

Client Sample ID: SS 01

Lab Sample ID: 890-8553-1
Matrix: Solid
Date Collected: 07/31/25 08:44
Date Received: 08/01/25 08:00
Sample Depth: 0

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		08/02/25 18:57	08/02/25 21:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/02/25 18:57	08/02/25 21:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/02/25 18:57	08/02/25 21:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/02/25 18:57	08/02/25 21:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/02/25 18:57	08/02/25 21:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/02/25 18:57	08/02/25 21:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*150*	*S1+*	*70 - 130*	*08/02/25 18:57*	*08/02/25 21:44*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*08/02/25 18:57*	*08/02/25 21:44*	*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			08/02/25 21:44	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			08/04/25 19:03	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	<50.0	U	50.0		mg/Kg		08/04/25 09:05	08/04/25 19:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/04/25 09:05	08/04/25 19:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/04/25 09:05	08/04/25 19:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*08/04/25 09:05*	*08/04/25 19:03*	*1*
o-Terphenyl	*84*		*70 - 130*	*08/04/25 09:05*	*08/04/25 19:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U F1	9.92		mg/Kg			08/04/25 06:05	1

Client Sample ID: SS 02

Lab Sample ID: 890-8553-2
Matrix: Solid
Date Collected: 07/31/25 08:47
Date Received: 08/01/25 08:00
Sample Depth: 0

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		08/02/25 18:57	08/02/25 22:04	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/02/25 18:57	08/02/25 22:04	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/02/25 18:57	08/02/25 22:04	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/02/25 18:57	08/02/25 22:04	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/02/25 18:57	08/02/25 22:04	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/02/25 18:57	08/02/25 22:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*156*	*S1+*	*70 - 130*	*08/02/25 18:57*	*08/02/25 22:04*	*1*

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Client Sample Results

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

Client Sample ID: SS 02

Lab Sample ID: 890-8553-2
Matrix: Solid
Date Collected: 07/31/25 08:47
Date Received: 08/01/25 08:00
Sample Depth: 0

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*08/02/25 18:57*	*08/02/25 22:04*	*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			08/02/25 22:04	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**117**		50.0	mg/Kg			08/04/25 19:51	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		08/04/25 09:05	08/04/25 19:51	1
Diesel Range Organics (Over C10-C28)	**117**		50.0	mg/Kg		08/04/25 09:05	08/04/25 19:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/04/25 09:05	08/04/25 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*08/04/25 09:05*	*08/04/25 19:51*	*1*
o-Terphenyl	*89*		*70 - 130*	*08/04/25 09:05*	*08/04/25 19:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98	mg/Kg			08/04/25 06:28	1

Client Sample ID: SS 03

Lab Sample ID: 890-8553-3
Matrix: Solid
Date Collected: 07/31/25 08:49
Date Received: 08/01/25 08:00
Sample Depth: 0

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		08/02/25 18:57	08/02/25 22:24	1
Toluene	<0.00199	U	0.00199	mg/Kg		08/02/25 18:57	08/02/25 22:24	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		08/02/25 18:57	08/02/25 22:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		08/02/25 18:57	08/02/25 22:24	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		08/02/25 18:57	08/02/25 22:24	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		08/02/25 18:57	08/02/25 22:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*150*	*S1+*	*70 - 130*	*08/02/25 18:57*	*08/02/25 22:24*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*08/02/25 18:57*	*08/02/25 22:24*	*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			08/02/25 22:24	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**168**		49.8	mg/Kg			08/04/25 20:07	1

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Client Sample Results

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

Client Sample ID: SS 03

Lab Sample ID: 890-8553-3
Matrix: Solid
Date Collected: 07/31/25 08:49
Date Received: 08/01/25 08:00
Sample Depth: 0

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		08/04/25 09:05	08/04/25 20:07	1
Diesel Range Organics (Over C10-C28)	**168**		49.8		mg/Kg		08/04/25 09:05	08/04/25 20:07	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/04/25 09:05	08/04/25 20:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*08/04/25 09:05*	*08/04/25 20:07*	*1*
o-Terphenyl	*94*		*70 - 130*	*08/04/25 09:05*	*08/04/25 20:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94		mg/Kg			08/04/25 06:36	1

Client Sample ID: SS 04

Lab Sample ID: 890-8553-4
Matrix: Solid
Date Collected: 07/31/25 08:51
Date Received: 08/01/25 08:00
Sample Depth: 0

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		08/02/25 18:57	08/02/25 22:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/02/25 18:57	08/02/25 22:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/02/25 18:57	08/02/25 22:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/02/25 18:57	08/02/25 22:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/02/25 18:57	08/02/25 22:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/02/25 18:57	08/02/25 22:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*146*	*S1+*	*70 - 130*	*08/02/25 18:57*	*08/02/25 22:45*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*08/02/25 18:57*	*08/02/25 22:45*	*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			08/02/25 22:45	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**375**		50.0		mg/Kg			08/04/25 20:22	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		08/04/25 09:05	08/04/25 20:22	1
Diesel Range Organics (Over C10-C28)	**375**		50.0		mg/Kg		08/04/25 09:05	08/04/25 20:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/04/25 09:05	08/04/25 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*08/04/25 09:05*	*08/04/25 20:22*	*1*
o-Terphenyl	*97*		*70 - 130*	*08/04/25 09:05*	*08/04/25 20:22*	*1*

Client Sample Results

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

Client Sample ID: SS 04

Lab Sample ID: 890-8553-4
Matrix: Solid
Date Collected: 07/31/25 08:51
Date Received: 08/01/25 08:00
Sample Depth: 0

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			08/04/25 06:44	1

Client Sample ID: SS 05

Lab Sample ID: 890-8553-5
Matrix: Solid
Date Collected: 07/31/25 08:53
Date Received: 08/01/25 08:00
Sample Depth: 0

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		08/02/25 18:57	08/02/25 23:05	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/02/25 18:57	08/02/25 23:05	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/02/25 18:57	08/02/25 23:05	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/02/25 18:57	08/02/25 23:05	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/02/25 18:57	08/02/25 23:05	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/02/25 18:57	08/02/25 23:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*158*	*S1+*	*70 - 130*	*08/02/25 18:57*	*08/02/25 23:05*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*08/02/25 18:57*	*08/02/25 23:05*	*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			08/02/25 23:05	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			08/04/25 20:38	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		08/04/25 09:05	08/04/25 20:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/04/25 09:05	08/04/25 20:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/04/25 09:05	08/04/25 20:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*08/04/25 09:05*	*08/04/25 20:38*	*1*
o-Terphenyl	*88*		*70 - 130*	*08/04/25 09:05*	*08/04/25 20:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**91.9**		9.96		mg/Kg			08/04/25 06:51	1

Client Sample Results

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

Client Sample ID: SS 06

Lab Sample ID: 890-8553-6
Matrix: Solid
Date Collected: 07/31/25 08:55
Date Received: 08/01/25 08:00
Sample Depth: 0

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		08/02/25 18:57	08/02/25 23:26	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/02/25 18:57	08/02/25 23:26	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/02/25 18:57	08/02/25 23:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/02/25 18:57	08/02/25 23:26	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/02/25 18:57	08/02/25 23:26	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/02/25 18:57	08/02/25 23:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*149*	*S1+*	*70 - 130*	*08/02/25 18:57*	*08/02/25 23:26*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*08/02/25 18:57*	*08/02/25 23:26*	*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			08/02/25 23:26	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**356**		49.7		mg/Kg			08/04/25 20:55	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		08/04/25 09:05	08/04/25 20:55	1
Diesel Range Organics (Over C10-C28)	**356**		49.7		mg/Kg		08/04/25 09:05	08/04/25 20:55	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/04/25 09:05	08/04/25 20:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*08/04/25 09:05*	*08/04/25 20:55*	*1*
o-Terphenyl	*91*		*70 - 130*	*08/04/25 09:05*	*08/04/25 20:55*	*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			08/04/25 07:14	1

Client Sample ID: SS 07

Lab Sample ID: 890-8553-7
Matrix: Solid
Date Collected: 07/31/25 10:02
Date Received: 08/01/25 08:00
Sample Depth: 0

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		08/02/25 18:57	08/02/25 23:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/02/25 18:57	08/02/25 23:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/02/25 18:57	08/02/25 23:46	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/02/25 18:57	08/02/25 23:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/02/25 18:57	08/02/25 23:46	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/02/25 18:57	08/02/25 23:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*157*	*S1+*	*70 - 130*	*08/02/25 18:57*	*08/02/25 23:46*	*1*

Client Sample Results

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

Client Sample ID: SS 07

Lab Sample ID: 890-8553-7
Matrix: Solid
Date Collected: 07/31/25 10:02
Date Received: 08/01/25 08:00
Sample Depth: 0

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*08/02/25 18:57*	*08/02/25 23:46*	*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			08/02/25 23:46	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			08/04/25 21:11	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		08/04/25 09:05	08/04/25 21:11	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		08/04/25 09:05	08/04/25 21:11	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		08/04/25 09:05	08/04/25 21:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*88*		*70 - 130*	*08/04/25 09:05*	*08/04/25 21:11*	*1*
o-Terphenyl	*85*		*70 - 130*	*08/04/25 09:05*	*08/04/25 21:11*	*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			08/04/25 07:22	1

Client Sample ID: SS 08

Lab Sample ID: 890-8553-8
Matrix: Solid
Date Collected: 07/31/25 10:03
Date Received: 08/01/25 08:00
Sample Depth: 0

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		08/02/25 18:57	08/03/25 00:06	1
Toluene	<0.00202	U	0.00202	mg/Kg		08/02/25 18:57	08/03/25 00:06	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		08/02/25 18:57	08/03/25 00:06	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		08/02/25 18:57	08/03/25 00:06	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		08/02/25 18:57	08/03/25 00:06	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		08/02/25 18:57	08/03/25 00:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*143*	*S1+*	*70 - 130*	*08/02/25 18:57*	*08/03/25 00:06*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*08/02/25 18:57*	*08/03/25 00:06*	*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			08/03/25 00:06	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			08/04/25 21:26	1

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Client Sample Results

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

Client Sample ID: SS 08

Lab Sample ID: 890-8553-8
Matrix: Solid
Date Collected: 07/31/25 10:03
Date Received: 08/01/25 08:00
Sample Depth: 0

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		08/04/25 09:05	08/04/25 21:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/04/25 09:05	08/04/25 21:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/04/25 09:05	08/04/25 21:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*08/04/25 09:05*	*08/04/25 21:26*	*1*
o-Terphenyl	*91*		*70 - 130*	*08/04/25 09:05*	*08/04/25 21:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			08/04/25 07:29	1

Client Sample ID: SS 09

Lab Sample ID: 890-8553-9
Matrix: Solid
Date Collected: 07/31/25 10:04
Date Received: 08/01/25 08:00
Sample Depth: 0

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		08/02/25 18:57	08/03/25 00:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/02/25 18:57	08/03/25 00:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/02/25 18:57	08/03/25 00:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/02/25 18:57	08/03/25 00:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/02/25 18:57	08/03/25 00:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/02/25 18:57	08/03/25 00:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*165*	*S1+*	*70 - 130*	*08/02/25 18:57*	*08/03/25 00:27*	*1*
1,4-Difluorobenzene (Surr)	*67*	*S1-*	*70 - 130*	*08/02/25 18:57*	*08/03/25 00:27*	*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			08/03/25 00:27	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			08/04/25 21:42	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		08/04/25 09:05	08/04/25 21:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/04/25 09:05	08/04/25 21:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/04/25 09:05	08/04/25 21:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*08/04/25 09:05*	*08/04/25 21:42*	*1*
o-Terphenyl	*84*		*70 - 130*	*08/04/25 09:05*	*08/04/25 21:42*	*1*

Client Sample Results

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

Client Sample ID: SS 09

Lab Sample ID: 890-8553-9
Matrix: Solid
Date Collected: 07/31/25 10:04
Date Received: 08/01/25 08:00
Sample Depth: 0

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			08/04/25 07:37	1

Client Sample ID: SS 10

Lab Sample ID: 890-8553-10
Matrix: Solid
Date Collected: 07/31/25 10:06
Date Received: 08/01/25 08:00
Sample Depth: 0

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		08/02/25 18:57	08/03/25 00:47	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/02/25 18:57	08/03/25 00:47	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/02/25 18:57	08/03/25 00:47	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		08/02/25 18:57	08/03/25 00:47	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/02/25 18:57	08/03/25 00:47	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/02/25 18:57	08/03/25 00:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*167*	*S1+*	*70 - 130*	*08/02/25 18:57*	*08/03/25 00:47*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*08/02/25 18:57*	*08/03/25 00:47*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			08/03/25 00:47	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			08/04/25 21:58	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		08/04/25 09:05	08/04/25 21:58	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/04/25 09:05	08/04/25 21:58	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/04/25 09:05	08/04/25 21:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*08/04/25 09:05*	*08/04/25 21:58*	*1*
o-Terphenyl	*84*		*70 - 130*	*08/04/25 09:05*	*08/04/25 21:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			08/04/25 07:45	1

Client Sample Results

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

Client Sample ID: SS 11

Lab Sample ID: 890-8553-11
Matrix: Solid
Date Collected: 07/31/25 10:10
Date Received: 08/01/25 08:00
Sample Depth: 0

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		08/02/25 18:57	08/03/25 02:22	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/02/25 18:57	08/03/25 02:22	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/02/25 18:57	08/03/25 02:22	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/02/25 18:57	08/03/25 02:22	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/02/25 18:57	08/03/25 02:22	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/02/25 18:57	08/03/25 02:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*151*	*S1+*	*70 - 130*	*08/02/25 18:57*	*08/03/25 02:22*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*08/02/25 18:57*	*08/03/25 02:22*	*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			08/03/25 02:22	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**225**		49.9		mg/Kg			08/04/25 22:29	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		08/04/25 09:05	08/04/25 22:29	1
Diesel Range Organics (Over C10-C28)	**225**		49.9		mg/Kg		08/04/25 09:05	08/04/25 22:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/04/25 09:05	08/04/25 22:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*08/04/25 09:05*	*08/04/25 22:29*	*1*
o-Terphenyl	*90*		*70 - 130*	*08/04/25 09:05*	*08/04/25 22:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U F1	10.1		mg/Kg			08/04/25 07:52	1

Client Sample ID: SS 12

Lab Sample ID: 890-8553-12
Matrix: Solid
Date Collected: 07/31/25 10:12
Date Received: 08/01/25 08:00
Sample Depth: 0

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		08/02/25 18:57	08/03/25 02:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/02/25 18:57	08/03/25 02:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/02/25 18:57	08/03/25 02:42	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/02/25 18:57	08/03/25 02:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/02/25 18:57	08/03/25 02:42	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/02/25 18:57	08/03/25 02:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*152*	*S1+*	*70 - 130*	*08/02/25 18:57*	*08/03/25 02:42*	*1*

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Client Sample Results

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

Client Sample ID: SS 12

Date Collected: 07/31/25 10:12
Date Received: 08/01/25 08:00
Sample Depth: 0

Lab Sample ID: 890-8553-12

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*08/02/25 18:57*	*08/03/25 02:42*	*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			08/03/25 02:42	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**133**		50.0		mg/Kg			08/04/25 22:45	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		08/04/25 09:05	08/04/25 22:45	1
Diesel Range Organics (Over C10-C28)	**133**		50.0		mg/Kg		08/04/25 09:05	08/04/25 22:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/04/25 09:05	08/04/25 22:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*08/04/25 09:05*	*08/04/25 22:45*	*1*
o-Terphenyl	*89*		*70 - 130*	*08/04/25 09:05*	*08/04/25 22:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			08/04/25 08:15	1

Client Sample ID: SS 13

Date Collected: 07/31/25 11:05
Date Received: 08/01/25 08:00
Sample Depth: 0

Lab Sample ID: 890-8553-13

Matrix: Solid

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		08/02/25 18:57	08/03/25 03:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/02/25 18:57	08/03/25 03:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/02/25 18:57	08/03/25 03:02	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/02/25 18:57	08/03/25 03:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/02/25 18:57	08/03/25 03:02	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/02/25 18:57	08/03/25 03:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*157*	*S1+*	*70 - 130*	*08/02/25 18:57*	*08/03/25 03:02*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*08/02/25 18:57*	*08/03/25 03:02*	*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			08/03/25 03:02	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			08/04/25 23:01	1

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Client Sample Results

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

Client Sample ID: SS 13

Lab Sample ID: 890-8553-13
Matrix: Solid
Date Collected: 07/31/25 11:05
Date Received: 08/01/25 08:00
Sample Depth: 0

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		08/04/25 09:05	08/04/25 23:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/04/25 09:05	08/04/25 23:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/04/25 09:05	08/04/25 23:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*08/04/25 09:05*	*08/04/25 23:01*	*1*
o-Terphenyl	*89*		*70 - 130*	*08/04/25 09:05*	*08/04/25 23:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			08/04/25 08:23	1

Client Sample ID: SS 14

Lab Sample ID: 890-8553-14
Matrix: Solid
Date Collected: 07/31/25 11:08
Date Received: 08/01/25 08:00
Sample Depth: 0

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		08/02/25 18:57	08/03/25 03:23	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/02/25 18:57	08/03/25 03:23	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/02/25 18:57	08/03/25 03:23	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/02/25 18:57	08/03/25 03:23	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/02/25 18:57	08/03/25 03:23	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/02/25 18:57	08/03/25 03:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*150*	*S1+*	*70 - 130*	*08/02/25 18:57*	*08/03/25 03:23*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*08/02/25 18:57*	*08/03/25 03:23*	*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			08/03/25 03:23	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**440**		50.0		mg/Kg			08/04/25 23:16	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		08/04/25 09:05	08/04/25 23:16	1
Diesel Range Organics (Over C10-C28)	**440**		50.0		mg/Kg		08/04/25 09:05	08/04/25 23:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/04/25 09:05	08/04/25 23:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*08/04/25 09:05*	*08/04/25 23:16*	*1*
o-Terphenyl	*105*		*70 - 130*	*08/04/25 09:05*	*08/04/25 23:16*	*1*

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Client Sample Results

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

Client Sample ID: SS 14

Lab Sample ID: 890-8553-14
Matrix: Solid
Date Collected: 07/31/25 11:08
Date Received: 08/01/25 08:00
Sample Depth: 0

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			08/04/25 08:46	1

Client Sample ID: SS 15

Lab Sample ID: 890-8553-15
Matrix: Solid
Date Collected: 07/31/25 11:10
Date Received: 08/01/25 08:00
Sample Depth: 0

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		08/02/25 18:57	08/03/25 03:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/02/25 18:57	08/03/25 03:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/02/25 18:57	08/03/25 03:43	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/02/25 18:57	08/03/25 03:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/02/25 18:57	08/03/25 03:43	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/02/25 18:57	08/03/25 03:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*153*	*S1+*	*70 - 130*	*08/02/25 18:57*	*08/03/25 03:43*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*08/02/25 18:57*	*08/03/25 03:43*	*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			08/03/25 03:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**303**		49.8		mg/Kg			08/04/25 23:33	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	<49.8	U	49.8		mg/Kg		08/04/25 09:05	08/04/25 23:33	1
Diesel Range Organics (Over C10-C28)	**303**		49.8		mg/Kg		08/04/25 09:05	08/04/25 23:33	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/04/25 09:05	08/04/25 23:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*08/04/25 09:05*	*08/04/25 23:33*	*1*
o-Terphenyl	*100*		*70 - 130*	*08/04/25 09:05*	*08/04/25 23:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			08/04/25 08:54	1

Client Sample Results

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

Client Sample ID: SS 16

Lab Sample ID: 890-8553-16
Matrix: Solid
Date Collected: 07/31/25 11:11
Date Received: 08/01/25 08:00
Sample Depth: 0

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		08/02/25 18:57	08/03/25 04:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/02/25 18:57	08/03/25 04:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/02/25 18:57	08/03/25 04:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/02/25 18:57	08/03/25 04:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/02/25 18:57	08/03/25 04:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/02/25 18:57	08/03/25 04:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*161*	*S1+*	*70 - 130*	*08/02/25 18:57*	*08/03/25 04:04*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*08/02/25 18:57*	*08/03/25 04:04*	*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			08/03/25 04:04	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**65.9**		49.8		mg/Kg			08/04/25 23:49	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		08/04/25 09:05	08/04/25 23:49	1
Diesel Range Organics (Over C10-C28)	**65.9**		49.8		mg/Kg		08/04/25 09:05	08/04/25 23:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/04/25 09:05	08/04/25 23:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*08/04/25 09:05*	*08/04/25 23:49*	*1*
o-Terphenyl	*89*		*70 - 130*	*08/04/25 09:05*	*08/04/25 23:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			08/04/25 09:01	1

Client Sample ID: SS 17

Lab Sample ID: 890-8553-17
Matrix: Solid
Date Collected: 07/31/25 11:13
Date Received: 08/01/25 08:00
Sample Depth: 0

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		08/02/25 18:57	08/03/25 04:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/02/25 18:57	08/03/25 04:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/02/25 18:57	08/03/25 04:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/02/25 18:57	08/03/25 04:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/02/25 18:57	08/03/25 04:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/02/25 18:57	08/03/25 04:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*147*	*S1+*	*70 - 130*	*08/02/25 18:57*	*08/03/25 04:24*	*1*

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Client Sample Results

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

Client Sample ID: SS 17

Date Collected: 07/31/25 11:13
Date Received: 08/01/25 08:00
Sample Depth: 0

Lab Sample ID: 890-8553-17

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*08/02/25 18:57*	*08/03/25 04:24*	*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			08/03/25 04:24	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**185**		49.9		mg/Kg			08/05/25 00:05	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		08/04/25 09:05	08/05/25 00:05	1
Diesel Range Organics (Over C10-C28)	**185**		49.9		mg/Kg		08/04/25 09:05	08/05/25 00:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/04/25 09:05	08/05/25 00:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*08/04/25 09:05*	*08/05/25 00:05*	*1*
o-Terphenyl	*85*		*70 - 130*	*08/04/25 09:05*	*08/05/25 00:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			08/04/25 09:09	1

Client Sample ID: SS 18

Date Collected: 07/31/25 11:15
Date Received: 08/01/25 08:00
Sample Depth: 0

Lab Sample ID: 890-8553-18

Matrix: Solid

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		08/02/25 18:57	08/03/25 04:45	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/02/25 18:57	08/03/25 04:45	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/02/25 18:57	08/03/25 04:45	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/02/25 18:57	08/03/25 04:45	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/02/25 18:57	08/03/25 04:45	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/02/25 18:57	08/03/25 04:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*154*	*S1+*	*70 - 130*	*08/02/25 18:57*	*08/03/25 04:45*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*08/02/25 18:57*	*08/03/25 04:45*	*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			08/03/25 04:45	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			08/05/25 00:21	1

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Client Sample Results

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

Client Sample ID: SS 18

Lab Sample ID: 890-8553-18
Matrix: Solid
Date Collected: 07/31/25 11:15
Date Received: 08/01/25 08:00
Sample Depth: 0

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		08/04/25 09:05	08/05/25 00:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/04/25 09:05	08/05/25 00:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/04/25 09:05	08/05/25 00:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*08/04/25 09:05*	*08/05/25 00:21*	*1*
o-Terphenyl	*88*		*70 - 130*	*08/04/25 09:05*	*08/05/25 00:21*	*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			08/04/25 09:17	1

Client Sample ID: SS 19

Lab Sample ID: 890-8553-19
Matrix: Solid
Date Collected: 07/31/25 12:56
Date Received: 08/01/25 08:00
Sample Depth: 0

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		08/02/25 18:57	08/03/25 05:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/02/25 18:57	08/03/25 05:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/02/25 18:57	08/03/25 05:05	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/02/25 18:57	08/03/25 05:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/02/25 18:57	08/03/25 05:05	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/02/25 18:57	08/03/25 05:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*161*	*S1+*	*70 - 130*	*08/02/25 18:57*	*08/03/25 05:05*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*08/02/25 18:57*	*08/03/25 05:05*	*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			08/03/25 05:05	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			08/05/25 00:37	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		08/04/25 09:05	08/05/25 00:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/04/25 09:05	08/05/25 00:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/04/25 09:05	08/05/25 00:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*08/04/25 09:05*	*08/05/25 00:37*	*1*
o-Terphenyl	*87*		*70 - 130*	*08/04/25 09:05*	*08/05/25 00:37*	*1*

Client Sample Results

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

Client Sample ID: SS 19

Lab Sample ID: 890-8553-19
Matrix: Solid
Date Collected: 07/31/25 12:56
Date Received: 08/01/25 08:00
Sample Depth: 0

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.90	U	9.90		mg/Kg			08/04/25 09:24	1

Client Sample ID: SS 20

Lab Sample ID: 890-8553-20
Matrix: Solid
Date Collected: 07/31/25 12:59
Date Received: 08/01/25 08:00
Sample Depth: 0

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		08/02/25 18:57	08/03/25 05:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/02/25 18:57	08/03/25 05:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/02/25 18:57	08/03/25 05:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/02/25 18:57	08/03/25 05:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/02/25 18:57	08/03/25 05:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/02/25 18:57	08/03/25 05:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*153*	*S1+*	*70 - 130*	*08/02/25 18:57*	*08/03/25 05:26*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*08/02/25 18:57*	*08/03/25 05:26*	*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			08/03/25 05:26	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			08/05/25 00:52	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		08/04/25 09:05	08/05/25 00:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/04/25 09:05	08/05/25 00:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/04/25 09:05	08/05/25 00:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*08/04/25 09:05*	*08/05/25 00:52*	*1*
o-Terphenyl	*86*		*70 - 130*	*08/04/25 09:05*	*08/05/25 00:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			08/04/25 09:32	1

Client Sample Results

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

Client Sample ID: SS 21

Date Collected: 07/31/25 13:01
Date Received: 08/01/25 08:00
Sample Depth: 0

Lab Sample ID: 890-8553-21
Matrix: Solid

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		08/02/25 19:04	08/02/25 21:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/02/25 19:04	08/02/25 21:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/02/25 19:04	08/02/25 21:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/02/25 19:04	08/02/25 21:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/02/25 19:04	08/02/25 21:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/02/25 19:04	08/02/25 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*08/02/25 19:04*	*08/02/25 21:45*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*08/02/25 19:04*	*08/02/25 21:45*	*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			08/02/25 21:45	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			08/05/25 02:58	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		08/04/25 09:07	08/05/25 02:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/04/25 09:07	08/05/25 02:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/04/25 09:07	08/05/25 02:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*08/04/25 09:07*	*08/05/25 02:58*	*1*
o-Terphenyl	*90*		*70 - 130*	*08/04/25 09:07*	*08/05/25 02:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**27.1**		10.1		mg/Kg			08/04/25 12:26	1

Client Sample ID: SS 22

Date Collected: 07/31/25 13:03
Date Received: 08/01/25 08:00
Sample Depth: 0

Lab Sample ID: 890-8553-22
Matrix: Solid

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		08/02/25 19:04	08/02/25 22:05	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/02/25 19:04	08/02/25 22:05	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/02/25 19:04	08/02/25 22:05	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/02/25 19:04	08/02/25 22:05	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/02/25 19:04	08/02/25 22:05	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/02/25 19:04	08/02/25 22:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*08/02/25 19:04*	*08/02/25 22:05*	*1*

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Client Sample Results

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

Client Sample ID: SS 22

Lab Sample ID: 890-8553-22
Matrix: Solid
Date Collected: 07/31/25 13:03
Date Received: 08/01/25 08:00
Sample Depth: 0

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*08/02/25 19:04*	*08/02/25 22:05*	*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			08/02/25 22:05	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			08/05/25 03:46	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		08/04/25 09:07	08/05/25 03:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		08/04/25 09:07	08/05/25 03:46	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		08/04/25 09:07	08/05/25 03:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*08/04/25 09:07*	*08/05/25 03:46*	*1*
o-Terphenyl	*88*		*70 - 130*	*08/04/25 09:07*	*08/05/25 03:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1	mg/Kg			08/04/25 12:43	1

Client Sample ID: SS 23

Lab Sample ID: 890-8553-23
Matrix: Solid
Date Collected: 07/31/25 13:05
Date Received: 08/01/25 08:00
Sample Depth: 0

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		08/02/25 19:04	08/02/25 22:26	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/02/25 19:04	08/02/25 22:26	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/02/25 19:04	08/02/25 22:26	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		08/02/25 19:04	08/02/25 22:26	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/02/25 19:04	08/02/25 22:26	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		08/02/25 19:04	08/02/25 22:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*08/02/25 19:04*	*08/02/25 22:26*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*08/02/25 19:04*	*08/02/25 22:26*	*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			08/02/25 22:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**103**		49.9	mg/Kg			08/05/25 04:02	1

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Client Sample Results

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

Client Sample ID: SS 23

Lab Sample ID: 890-8553-23
Matrix: Solid
Date Collected: 07/31/25 13:05
Date Received: 08/01/25 08:00
Sample Depth: 0

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		08/04/25 09:07	08/05/25 04:02	1
Diesel Range Organics (Over C10-C28)	**103**		49.9		mg/Kg		08/04/25 09:07	08/05/25 04:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/04/25 09:07	08/05/25 04:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*08/04/25 09:07*	*08/05/25 04:02*	*1*
o-Terphenyl	*98*		*70 - 130*	*08/04/25 09:07*	*08/05/25 04:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.4**		10.0		mg/Kg			08/04/25 12:48	1

Client Sample ID: SS 24

Lab Sample ID: 890-8553-24
Matrix: Solid
Date Collected: 07/31/25 13:10
Date Received: 08/01/25 08:00
Sample Depth: 0

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		08/02/25 19:04	08/02/25 22:46	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/02/25 19:04	08/02/25 22:46	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/02/25 19:04	08/02/25 22:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/02/25 19:04	08/02/25 22:46	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/02/25 19:04	08/02/25 22:46	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/02/25 19:04	08/02/25 22:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*08/02/25 19:04*	*08/02/25 22:46*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*08/02/25 19:04*	*08/02/25 22:46*	*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			08/02/25 22:46	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**477**		50.0		mg/Kg			08/05/25 04:18	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		08/04/25 09:07	08/05/25 04:18	1
Diesel Range Organics (Over C10-C28)	**477**		50.0		mg/Kg		08/04/25 09:07	08/05/25 04:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/04/25 09:07	08/05/25 04:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*08/04/25 09:07*	*08/05/25 04:18*	*1*
o-Terphenyl	*101*		*70 - 130*	*08/04/25 09:07*	*08/05/25 04:18*	*1*

Client Sample Results

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

Client Sample ID: SS 24

Lab Sample ID: 890-8553-24
Matrix: Solid
Date Collected: 07/31/25 13:10
Date Received: 08/01/25 08:00
Sample Depth: 0

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			08/04/25 12:54	1

Client Sample ID: FS 01

Lab Sample ID: 890-8553-25
Matrix: Solid
Date Collected: 07/31/25 10:18
Date Received: 08/01/25 08:00
Sample Depth: 0

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		08/02/25 19:04	08/02/25 23:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/02/25 19:04	08/02/25 23:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/02/25 19:04	08/02/25 23:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/02/25 19:04	08/02/25 23:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/02/25 19:04	08/02/25 23:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/02/25 19:04	08/02/25 23:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*08/02/25 19:04*	*08/02/25 23:07*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*08/02/25 19:04*	*08/02/25 23:07*	*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			08/02/25 23:07	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**641**		50.0		mg/Kg			08/05/25 04:34	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		08/04/25 09:07	08/05/25 04:34	1
Diesel Range Organics (Over C10-C28)	**641**		50.0		mg/Kg		08/04/25 09:07	08/05/25 04:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/04/25 09:07	08/05/25 04:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*08/04/25 09:07*	*08/05/25 04:34*	*1*
o-Terphenyl	*114*		*70 - 130*	*08/04/25 09:07*	*08/05/25 04:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**43.7**		9.94		mg/Kg			08/04/25 12:59	1

Client Sample Results

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

Client Sample ID: SW 01

Date Collected: 07/31/25 14:14
Date Received: 08/01/25 08:00
Sample Depth: 0

Lab Sample ID: 890-8553-26

Matrix: Solid

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		08/02/25 19:04	08/02/25 23:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/02/25 19:04	08/02/25 23:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/02/25 19:04	08/02/25 23:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/02/25 19:04	08/02/25 23:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/02/25 19:04	08/02/25 23:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/02/25 19:04	08/02/25 23:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*08/02/25 19:04*	*08/02/25 23:27*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*08/02/25 19:04*	*08/02/25 23:27*	*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			08/02/25 23:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**713**		50.0		mg/Kg			08/05/25 04:50	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	<50.0	U	50.0		mg/Kg		08/04/25 09:07	08/05/25 04:50	1
Diesel Range Organics (Over C10-C28)	**713**		50.0		mg/Kg		08/04/25 09:07	08/05/25 04:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/04/25 09:07	08/05/25 04:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*08/04/25 09:07*	*08/05/25 04:50*	*1*
o-Terphenyl	*116*		*70 - 130*	*08/04/25 09:07*	*08/05/25 04:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**42.5**		9.90		mg/Kg			08/04/25 13:17	1

Surrogate Summary

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

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)
890-8553-1	SS 01	150 S1+	86
890-8553-1 MS	SS 01	147 S1+	91
890-8553-1 MSD	SS 01	152 S1+	89
890-8553-2	SS 02	156 S1+	83
890-8553-3	SS 03	150 S1+	85
890-8553-4	SS 04	146 S1+	87
890-8553-5	SS 05	158 S1+	74
890-8553-6	SS 06	149 S1+	84
890-8553-7	SS 07	157 S1+	83
890-8553-8	SS 08	143 S1+	84
890-8553-9	SS 09	165 S1+	67 S1-
890-8553-10	SS 10	167 S1+	77
890-8553-11	SS 11	151 S1+	87
890-8553-12	SS 12	152 S1+	86
890-8553-13	SS 13	157 S1+	79
890-8553-14	SS 14	150 S1+	87
890-8553-15	SS 15	153 S1+	82
890-8553-16	SS 16	161 S1+	78
890-8553-17	SS 17	147 S1+	85
890-8553-18	SS 18	154 S1+	82
890-8553-19	SS 19	161 S1+	81
890-8553-20	SS 20	153 S1+	86
890-8553-21	SS 21	119	88
890-8553-21 MS	SS 21	101	99
890-8553-21 MSD	SS 21	104	99
890-8553-22	SS 22	91	103
890-8553-23	SS 23	103	96
890-8553-24	SS 24	99	99
890-8553-25	FS 01	102	93
890-8553-26	SW 01	103	96
LCS 880-115646/1-A	Lab Control Sample	140 S1+	90
LCS 880-115647/1-A	Lab Control Sample	101	99
LCSD 880-115646/2-A	Lab Control Sample Dup	151 S1+	86
LCSD 880-115647/2-A	Lab Control Sample Dup	98	100
MB 880-115646/5-A	Method Blank	146 S1+	78
MB 880-115647/5-A	Method Blank	99	89

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)
890-8553-1	SS 01	87	84
890-8553-1 MS	SS 01	98	89
890-8553-1 MSD	SS 01	99	89

Surrogate Summary

Client: Ensolum Job ID: 890-8553-1
Project/Site: PLU PC 33 BATTERY SDG: 03C1558695

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
890-8553-2	SS 02	89	89								
890-8553-3	SS 03	92	94								
890-8553-4	SS 04	88	97								
890-8553-5	SS 05	91	88								
890-8553-6	SS 06	90	91								
890-8553-7	SS 07	88	85								
890-8553-8	SS 08	95	91								
890-8553-9	SS 09	88	84								
890-8553-10	SS 10	88	84								
890-8553-11	SS 11	90	90								
890-8553-12	SS 12	90	89								
890-8553-13	SS 13	90	89								
890-8553-14	SS 14	95	105								
890-8553-15	SS 15	93	100								
890-8553-16	SS 16	91	89								
890-8553-17	SS 17	85	85								
890-8553-18	SS 18	91	88								
890-8553-19	SS 19	91	87								
890-8553-20	SS 20	89	86								
890-8553-21	SS 21	94	90								
890-8553-21 MS	SS 21	101	92								
890-8553-21 MSD	SS 21	102	92								
890-8553-22	SS 22	90	88								
890-8553-23	SS 23	99	98								
890-8553-24	SS 24	89	101								
890-8553-25	FS 01	96	114								
890-8553-26	SW 01	98	116								
LCS 880-115700/2-A	Lab Control Sample	88	98								
LCS 880-115701/2-A	Lab Control Sample	109	99								
LCSD 880-115700/3-A	Lab Control Sample Dup	108	101								
LCSD 880-115701/3-A	Lab Control Sample Dup	109	99								
MB 880-115700/1-A	Method Blank	93	95								
MB 880-115701/1-A	Method Blank	86	90								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-115646/5-A
Matrix: Solid
Analysis Batch: 115644

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115646

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/02/25 18:57	08/02/25 21:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/02/25 18:57	08/02/25 21:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/02/25 18:57	08/02/25 21:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/02/25 18:57	08/02/25 21:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/02/25 18:57	08/02/25 21:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/02/25 18:57	08/02/25 21:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*146*	*S1+*	*70 - 130*	*08/02/25 18:57*	*08/02/25 21:22*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*08/02/25 18:57*	*08/02/25 21:22*	*1*

Lab Sample ID: LCS 880-115646/1-A
Matrix: Solid
Analysis Batch: 115644

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115646

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	0.1013		mg/Kg		101	70 - 130		
Ethylbenzene			0.100	0.1097		mg/Kg		110	70 - 130		
m-Xylene & p-Xylene			0.200	0.2115		mg/Kg		106	70 - 130		
o-Xylene			0.100	0.1086		mg/Kg		109	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: LCSD 880-115646/2-A
Matrix: Solid
Analysis Batch: 115644

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115646

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1097		mg/Kg		110	70 - 130	4	35
Toluene			0.100	0.1057		mg/Kg		106	70 - 130	4	35
Ethylbenzene			0.100	0.1183		mg/Kg		118	70 - 130	7	35
m-Xylene & p-Xylene			0.200	0.2335		mg/Kg		117	70 - 130	10	35
o-Xylene			0.100	0.1200		mg/Kg		120	70 - 130	10	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*151*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*

Lab Sample ID: 890-8553-1 MS
Matrix: Solid
Analysis Batch: 115644

Client Sample ID: SS 01
Prep Type: Total/NA
Prep Batch: 115646

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.1118		mg/Kg		112	70 - 130		
Toluene	<0.00200	U	0.100	0.1003		mg/Kg		100	70 - 130		

QC Sample Results

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

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

Lab Sample ID: 890-8553-1 MS — **Client Sample ID: SS 01**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 115644 — **Prep Batch: 115646**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.1076		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2080		mg/Kg		104	70 - 130
o-Xylene	<0.00200	U	0.100	0.1067		mg/Kg		107	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*147*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: 890-8553-1 MSD — **Client Sample ID: SS 01**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 115644 — **Prep Batch: 115646**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1124		mg/Kg		112	70 - 130	1	35
Toluene	<0.00200	U	0.100	0.1007		mg/Kg		101	70 - 130	0	35
Ethylbenzene	<0.00200	U	0.100	0.1082		mg/Kg		108	70 - 130	1	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2092		mg/Kg		105	70 - 130	1	35
o-Xylene	<0.00200	U	0.100	0.1073		mg/Kg		107	70 - 130	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*152*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: MB 880-115647/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 115645 — **Prep Batch: 115647**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/02/25 19:04	08/02/25 21:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/02/25 19:04	08/02/25 21:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/02/25 19:04	08/02/25 21:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/02/25 19:04	08/02/25 21:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/02/25 19:04	08/02/25 21:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/02/25 19:04	08/02/25 21:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*08/02/25 19:04*	*08/02/25 21:23*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*08/02/25 19:04*	*08/02/25 21:23*	*1*

Lab Sample ID: LCS 880-115647/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 115645 — **Prep Batch: 115647**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene			0.100	0.08691		mg/Kg		87	70 - 130
Toluene			0.100	0.08392		mg/Kg		84	70 - 130
Ethylbenzene			0.100	0.09708		mg/Kg		97	70 - 130
m-Xylene & p-Xylene			0.200	0.1901		mg/Kg		95	70 - 130

QC Sample Results

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

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

Lab Sample ID: LCS 880-115647/1-A
Matrix: Solid
Analysis Batch: 115645

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115647

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.09553		mg/Kg		96	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 880-115647/2-A
Matrix: Solid
Analysis Batch: 115645

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115647

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08795		mg/Kg		88	70 - 130	1	35
Toluene			0.100	0.08589		mg/Kg		86	70 - 130	2	35
Ethylbenzene			0.100	0.09957		mg/Kg		100	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.1965		mg/Kg		98	70 - 130	3	35
o-Xylene			0.100	0.09870		mg/Kg		99	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 890-8553-21 MS
Matrix: Solid
Analysis Batch: 115645

Client Sample ID: SS 21
Prep Type: Total/NA
Prep Batch: 115647

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.100	0.08153		mg/Kg		82	70 - 130		
Toluene	<0.00199	U	0.100	0.07942		mg/Kg		79	70 - 130		
Ethylbenzene	<0.00199	U	0.100	0.09069		mg/Kg		91	70 - 130		
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1789		mg/Kg		89	70 - 130		
o-Xylene	<0.00199	U	0.100	0.08903		mg/Kg		89	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 890-8553-21 MSD
Matrix: Solid
Analysis Batch: 115645

Client Sample ID: SS 21
Prep Type: Total/NA
Prep Batch: 115647

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.08322		mg/Kg		83	70 - 130	2	35
Toluene	<0.00199	U	0.100	0.08055		mg/Kg		81	70 - 130	1	35
Ethylbenzene	<0.00199	U	0.100	0.09217		mg/Kg		92	70 - 130	2	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1819		mg/Kg		91	70 - 130	2	35
o-Xylene	<0.00199	U	0.100	0.09073		mg/Kg		91	70 - 130	2	35

QC Sample Results

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

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

Lab Sample ID: 890-8553-21 MSD
Matrix: Solid
Analysis Batch: 115645

Client Sample ID: SS 21
Prep Type: Total/NA
Prep Batch: 115647

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

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

Lab Sample ID: MB 880-115700/1-A
Matrix: Solid
Analysis Batch: 115702

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115700

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		08/04/25 09:05	08/04/25 18:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/04/25 09:05	08/04/25 18:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/04/25 09:05	08/04/25 18:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	08/04/25 09:05	08/04/25 18:14	1
o-Terphenyl	95		70 - 130	08/04/25 09:05	08/04/25 18:14	1

Lab Sample ID: LCS 880-115700/2-A
Matrix: Solid
Analysis Batch: 115702

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115700

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1139		mg/Kg		114	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1161		mg/Kg		116	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: LCSD 880-115700/3-A
Matrix: Solid
Analysis Batch: 115702

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115700

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1085		mg/Kg		108	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	1080		mg/Kg		108	70 - 130	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	101		70 - 130

QC Sample Results

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

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

Lab Sample ID: 890-8553-1 MS
Matrix: Solid
Analysis Batch: 115702

Client Sample ID: SS 01
Prep Type: Total/NA
Prep Batch: 115700

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	819.8		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	915.1		mg/Kg		92	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*98*		*70 - 130*
o-Terphenyl	*89*		*70 - 130*

Lab Sample ID: 890-8553-1 MSD
Matrix: Solid
Analysis Batch: 115702

Client Sample ID: SS 01
Prep Type: Total/NA
Prep Batch: 115700

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	1000	841.6		mg/Kg		84	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	925.9		mg/Kg		93	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*99*		*70 - 130*
o-Terphenyl	*89*		*70 - 130*

Lab Sample ID: MB 880-115701/1-A
Matrix: Solid
Analysis Batch: 115702

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115701

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		08/04/25 09:07	08/05/25 02:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/04/25 09:07	08/05/25 02:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/04/25 09:07	08/05/25 02:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*08/04/25 09:07*	*08/05/25 02:11*	*1*
o-Terphenyl	*90*		*70 - 130*	*08/04/25 09:07*	*08/05/25 02:11*	*1*

Lab Sample ID: LCS 880-115701/2-A
Matrix: Solid
Analysis Batch: 115702

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115701

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	1084		mg/Kg		108	70 - 130
Diesel Range Organics (Over C10-C28)			1000	1064		mg/Kg		106	70 - 130

QC Sample Results

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

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

Lab Sample ID: LCS 880-115701/2-A
Matrix: Solid
Analysis Batch: 115702

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115701

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: LCSD 880-115701/3-A
Matrix: Solid
Analysis Batch: 115702

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115701

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1084		mg/Kg		108	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	1073		mg/Kg		107	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: 890-8553-21 MS
Matrix: Solid
Analysis Batch: 115702

Client Sample ID: SS 21
Prep Type: Total/NA
Prep Batch: 115701

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	760.1		mg/Kg		76	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	903.4		mg/Kg		90	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	92		70 - 130

Lab Sample ID: 890-8553-21 MSD
Matrix: Solid
Analysis Batch: 115702

Client Sample ID: SS 21
Prep Type: Total/NA
Prep Batch: 115701

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	776.5		mg/Kg		78	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	928.4		mg/Kg		93	70 - 130	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	92		70 - 130

QC Sample Results

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-115661/1-A
Matrix: Solid
Analysis Batch: 115670

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			08/04/25 05:43	1

Lab Sample ID: LCS 880-115661/2-A
Matrix: Solid
Analysis Batch: 115670

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	241.8		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-115661/3-A
Matrix: Solid
Analysis Batch: 115670

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	244.7		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 890-8553-1 MS
Matrix: Solid
Analysis Batch: 115670

Client Sample ID: SS 01
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	<9.92	U F1	248	403.5	F1	mg/Kg		161	90 - 110		

Lab Sample ID: 890-8553-1 MSD
Matrix: Solid
Analysis Batch: 115670

Client Sample ID: SS 01
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<9.92	U F1	248	395.3	F1	mg/Kg		158	90 - 110	2	20

Lab Sample ID: 890-8553-11 MS
Matrix: Solid
Analysis Batch: 115670

Client Sample ID: SS 11
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	<10.1	U F1	252	289.0	F1	mg/Kg		114	90 - 110		

Lab Sample ID: 890-8553-11 MSD
Matrix: Solid
Analysis Batch: 115670

Client Sample ID: SS 11
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<10.1	U F1	252	259.1		mg/Kg		102	90 - 110	11	20

Lab Sample ID: MB 880-115662/1-A
Matrix: Solid
Analysis Batch: 115754

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			08/04/25 12:09	1

QC Sample Results

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-115662/2-A
Matrix: Solid
Analysis Batch: 115754

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	238.4		mg/Kg		95	90 - 110		

Lab Sample ID: LCSD 880-115662/3-A
Matrix: Solid
Analysis Batch: 115754

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	239.1		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 890-8553-21 MS
Matrix: Solid
Analysis Batch: 115754

Client Sample ID: SS 21
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	27.1		253	262.8		mg/Kg		93	90 - 110		

Lab Sample ID: 890-8553-21 MSD
Matrix: Solid
Analysis Batch: 115754

Client Sample ID: SS 21
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	27.1		253	263.5		mg/Kg		94	90 - 110	0	20

QC Association Summary

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

GC VOA

Analysis Batch: 115644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8553-1	SS 01	Total/NA	Solid	8021B	115646
890-8553-2	SS 02	Total/NA	Solid	8021B	115646
890-8553-3	SS 03	Total/NA	Solid	8021B	115646
890-8553-4	SS 04	Total/NA	Solid	8021B	115646
890-8553-5	SS 05	Total/NA	Solid	8021B	115646
890-8553-6	SS 06	Total/NA	Solid	8021B	115646
890-8553-7	SS 07	Total/NA	Solid	8021B	115646
890-8553-8	SS 08	Total/NA	Solid	8021B	115646
890-8553-9	SS 09	Total/NA	Solid	8021B	115646
890-8553-10	SS 10	Total/NA	Solid	8021B	115646
890-8553-11	SS 11	Total/NA	Solid	8021B	115646
890-8553-12	SS 12	Total/NA	Solid	8021B	115646
890-8553-13	SS 13	Total/NA	Solid	8021B	115646
890-8553-14	SS 14	Total/NA	Solid	8021B	115646
890-8553-15	SS 15	Total/NA	Solid	8021B	115646
890-8553-16	SS 16	Total/NA	Solid	8021B	115646
890-8553-17	SS 17	Total/NA	Solid	8021B	115646
890-8553-18	SS 18	Total/NA	Solid	8021B	115646
890-8553-19	SS 19	Total/NA	Solid	8021B	115646
890-8553-20	SS 20	Total/NA	Solid	8021B	115646
MB 880-115646/5-A	Method Blank	Total/NA	Solid	8021B	115646
LCS 880-115646/1-A	Lab Control Sample	Total/NA	Solid	8021B	115646
LCSD 880-115646/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	115646
890-8553-1 MS	SS 01	Total/NA	Solid	8021B	115646
890-8553-1 MSD	SS 01	Total/NA	Solid	8021B	115646

Analysis Batch: 115645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8553-21	SS 21	Total/NA	Solid	8021B	115647
890-8553-22	SS 22	Total/NA	Solid	8021B	115647
890-8553-23	SS 23	Total/NA	Solid	8021B	115647
890-8553-24	SS 24	Total/NA	Solid	8021B	115647
890-8553-25	FS 01	Total/NA	Solid	8021B	115647
890-8553-26	SW 01	Total/NA	Solid	8021B	115647
MB 880-115647/5-A	Method Blank	Total/NA	Solid	8021B	115647
LCS 880-115647/1-A	Lab Control Sample	Total/NA	Solid	8021B	115647
LCSD 880-115647/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	115647
890-8553-21 MS	SS 21	Total/NA	Solid	8021B	115647
890-8553-21 MSD	SS 21	Total/NA	Solid	8021B	115647

Prep Batch: 115646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8553-1	SS 01	Total/NA	Solid	5035	
890-8553-2	SS 02	Total/NA	Solid	5035	
890-8553-3	SS 03	Total/NA	Solid	5035	
890-8553-4	SS 04	Total/NA	Solid	5035	
890-8553-5	SS 05	Total/NA	Solid	5035	
890-8553-6	SS 06	Total/NA	Solid	5035	
890-8553-7	SS 07	Total/NA	Solid	5035	
890-8553-8	SS 08	Total/NA	Solid	5035	
890-8553-9	SS 09	Total/NA	Solid	5035	

QC Association Summary

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

GC VOA (Continued)

Prep Batch: 115646 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8553-10	SS 10	Total/NA	Solid	5035	
890-8553-11	SS 11	Total/NA	Solid	5035	
890-8553-12	SS 12	Total/NA	Solid	5035	
890-8553-13	SS 13	Total/NA	Solid	5035	
890-8553-14	SS 14	Total/NA	Solid	5035	
890-8553-15	SS 15	Total/NA	Solid	5035	
890-8553-16	SS 16	Total/NA	Solid	5035	
890-8553-17	SS 17	Total/NA	Solid	5035	
890-8553-18	SS 18	Total/NA	Solid	5035	
890-8553-19	SS 19	Total/NA	Solid	5035	
890-8553-20	SS 20	Total/NA	Solid	5035	
MB 880-115646/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-115646/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-115646/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8553-1 MS	SS 01	Total/NA	Solid	5035	
890-8553-1 MSD	SS 01	Total/NA	Solid	5035	

Prep Batch: 115647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8553-21	SS 21	Total/NA	Solid	5035	
890-8553-22	SS 22	Total/NA	Solid	5035	
890-8553-23	SS 23	Total/NA	Solid	5035	
890-8553-24	SS 24	Total/NA	Solid	5035	
890-8553-25	FS 01	Total/NA	Solid	5035	
890-8553-26	SW 01	Total/NA	Solid	5035	
MB 880-115647/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-115647/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-115647/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8553-21 MS	SS 21	Total/NA	Solid	5035	
890-8553-21 MSD	SS 21	Total/NA	Solid	5035	

Analysis Batch: 115757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8553-1	SS 01	Total/NA	Solid	Total BTEX	
890-8553-2	SS 02	Total/NA	Solid	Total BTEX	
890-8553-3	SS 03	Total/NA	Solid	Total BTEX	
890-8553-4	SS 04	Total/NA	Solid	Total BTEX	
890-8553-5	SS 05	Total/NA	Solid	Total BTEX	
890-8553-6	SS 06	Total/NA	Solid	Total BTEX	
890-8553-7	SS 07	Total/NA	Solid	Total BTEX	
890-8553-8	SS 08	Total/NA	Solid	Total BTEX	
890-8553-9	SS 09	Total/NA	Solid	Total BTEX	
890-8553-10	SS 10	Total/NA	Solid	Total BTEX	
890-8553-11	SS 11	Total/NA	Solid	Total BTEX	
890-8553-12	SS 12	Total/NA	Solid	Total BTEX	
890-8553-13	SS 13	Total/NA	Solid	Total BTEX	
890-8553-14	SS 14	Total/NA	Solid	Total BTEX	
890-8553-15	SS 15	Total/NA	Solid	Total BTEX	
890-8553-16	SS 16	Total/NA	Solid	Total BTEX	
890-8553-17	SS 17	Total/NA	Solid	Total BTEX	
890-8553-18	SS 18	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

GC VOA (Continued)

Analysis Batch: 115757 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8553-19	SS 19	Total/NA	Solid	Total BTEX	
890-8553-20	SS 20	Total/NA	Solid	Total BTEX	
890-8553-21	SS 21	Total/NA	Solid	Total BTEX	
890-8553-22	SS 22	Total/NA	Solid	Total BTEX	
890-8553-23	SS 23	Total/NA	Solid	Total BTEX	
890-8553-24	SS 24	Total/NA	Solid	Total BTEX	
890-8553-25	FS 01	Total/NA	Solid	Total BTEX	
890-8553-26	SW 01	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 115700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8553-1	SS 01	Total/NA	Solid	8015NM Prep	
890-8553-2	SS 02	Total/NA	Solid	8015NM Prep	
890-8553-3	SS 03	Total/NA	Solid	8015NM Prep	
890-8553-4	SS 04	Total/NA	Solid	8015NM Prep	
890-8553-5	SS 05	Total/NA	Solid	8015NM Prep	
890-8553-6	SS 06	Total/NA	Solid	8015NM Prep	
890-8553-7	SS 07	Total/NA	Solid	8015NM Prep	
890-8553-8	SS 08	Total/NA	Solid	8015NM Prep	
890-8553-9	SS 09	Total/NA	Solid	8015NM Prep	
890-8553-10	SS 10	Total/NA	Solid	8015NM Prep	
890-8553-11	SS 11	Total/NA	Solid	8015NM Prep	
890-8553-12	SS 12	Total/NA	Solid	8015NM Prep	
890-8553-13	SS 13	Total/NA	Solid	8015NM Prep	
890-8553-14	SS 14	Total/NA	Solid	8015NM Prep	
890-8553-15	SS 15	Total/NA	Solid	8015NM Prep	
890-8553-16	SS 16	Total/NA	Solid	8015NM Prep	
890-8553-17	SS 17	Total/NA	Solid	8015NM Prep	
890-8553-18	SS 18	Total/NA	Solid	8015NM Prep	
890-8553-19	SS 19	Total/NA	Solid	8015NM Prep	
890-8553-20	SS 20	Total/NA	Solid	8015NM Prep	
MB 880-115700/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-115700/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-115700/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8553-1 MS	SS 01	Total/NA	Solid	8015NM Prep	
890-8553-1 MSD	SS 01	Total/NA	Solid	8015NM Prep	

Prep Batch: 115701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8553-21	SS 21	Total/NA	Solid	8015NM Prep	
890-8553-22	SS 22	Total/NA	Solid	8015NM Prep	
890-8553-23	SS 23	Total/NA	Solid	8015NM Prep	
890-8553-24	SS 24	Total/NA	Solid	8015NM Prep	
890-8553-25	FS 01	Total/NA	Solid	8015NM Prep	
890-8553-26	SW 01	Total/NA	Solid	8015NM Prep	
MB 880-115701/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-115701/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-115701/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8553-21 MS	SS 21	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

GC Semi VOA (Continued)

Prep Batch: 115701 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8553-21 MSD	SS 21	Total/NA	Solid	8015NM Prep	

Analysis Batch: 115702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8553-1	SS 01	Total/NA	Solid	8015B NM	115700
890-8553-2	SS 02	Total/NA	Solid	8015B NM	115700
890-8553-3	SS 03	Total/NA	Solid	8015B NM	115700
890-8553-4	SS 04	Total/NA	Solid	8015B NM	115700
890-8553-5	SS 05	Total/NA	Solid	8015B NM	115700
890-8553-6	SS 06	Total/NA	Solid	8015B NM	115700
890-8553-7	SS 07	Total/NA	Solid	8015B NM	115700
890-8553-8	SS 08	Total/NA	Solid	8015B NM	115700
890-8553-9	SS 09	Total/NA	Solid	8015B NM	115700
890-8553-10	SS 10	Total/NA	Solid	8015B NM	115700
890-8553-11	SS 11	Total/NA	Solid	8015B NM	115700
890-8553-12	SS 12	Total/NA	Solid	8015B NM	115700
890-8553-13	SS 13	Total/NA	Solid	8015B NM	115700
890-8553-14	SS 14	Total/NA	Solid	8015B NM	115700
890-8553-15	SS 15	Total/NA	Solid	8015B NM	115700
890-8553-16	SS 16	Total/NA	Solid	8015B NM	115700
890-8553-17	SS 17	Total/NA	Solid	8015B NM	115700
890-8553-18	SS 18	Total/NA	Solid	8015B NM	115700
890-8553-19	SS 19	Total/NA	Solid	8015B NM	115700
890-8553-20	SS 20	Total/NA	Solid	8015B NM	115700
890-8553-21	SS 21	Total/NA	Solid	8015B NM	115701
890-8553-22	SS 22	Total/NA	Solid	8015B NM	115701
890-8553-23	SS 23	Total/NA	Solid	8015B NM	115701
890-8553-24	SS 24	Total/NA	Solid	8015B NM	115701
890-8553-25	FS 01	Total/NA	Solid	8015B NM	115701
890-8553-26	SW 01	Total/NA	Solid	8015B NM	115701
MB 880-115700/1-A	Method Blank	Total/NA	Solid	8015B NM	115700
MB 880-115701/1-A	Method Blank	Total/NA	Solid	8015B NM	115701
LCS 880-115700/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	115700
LCS 880-115701/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	115701
LCSD 880-115700/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	115700
LCSD 880-115701/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	115701
890-8553-1 MS	SS 01	Total/NA	Solid	8015B NM	115700
890-8553-1 MSD	SS 01	Total/NA	Solid	8015B NM	115700
890-8553-21 MS	SS 21	Total/NA	Solid	8015B NM	115701
890-8553-21 MSD	SS 21	Total/NA	Solid	8015B NM	115701

Analysis Batch: 115828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8553-1	SS 01	Total/NA	Solid	8015 NM	
890-8553-2	SS 02	Total/NA	Solid	8015 NM	
890-8553-3	SS 03	Total/NA	Solid	8015 NM	
890-8553-4	SS 04	Total/NA	Solid	8015 NM	
890-8553-5	SS 05	Total/NA	Solid	8015 NM	
890-8553-6	SS 06	Total/NA	Solid	8015 NM	
890-8553-7	SS 07	Total/NA	Solid	8015 NM	
890-8553-8	SS 08	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

GC Semi VOA (Continued)

Analysis Batch: 115828 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8553-9	SS 09	Total/NA	Solid	8015 NM	
890-8553-10	SS 10	Total/NA	Solid	8015 NM	
890-8553-11	SS 11	Total/NA	Solid	8015 NM	
890-8553-12	SS 12	Total/NA	Solid	8015 NM	
890-8553-13	SS 13	Total/NA	Solid	8015 NM	
890-8553-14	SS 14	Total/NA	Solid	8015 NM	
890-8553-15	SS 15	Total/NA	Solid	8015 NM	
890-8553-16	SS 16	Total/NA	Solid	8015 NM	
890-8553-17	SS 17	Total/NA	Solid	8015 NM	
890-8553-18	SS 18	Total/NA	Solid	8015 NM	
890-8553-19	SS 19	Total/NA	Solid	8015 NM	
890-8553-20	SS 20	Total/NA	Solid	8015 NM	
890-8553-21	SS 21	Total/NA	Solid	8015 NM	
890-8553-22	SS 22	Total/NA	Solid	8015 NM	
890-8553-23	SS 23	Total/NA	Solid	8015 NM	
890-8553-24	SS 24	Total/NA	Solid	8015 NM	
890-8553-25	FS 01	Total/NA	Solid	8015 NM	
890-8553-26	SW 01	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 115661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8553-1	SS 01	Soluble	Solid	DI Leach	
890-8553-2	SS 02	Soluble	Solid	DI Leach	
890-8553-3	SS 03	Soluble	Solid	DI Leach	
890-8553-4	SS 04	Soluble	Solid	DI Leach	
890-8553-5	SS 05	Soluble	Solid	DI Leach	
890-8553-6	SS 06	Soluble	Solid	DI Leach	
890-8553-7	SS 07	Soluble	Solid	DI Leach	
890-8553-8	SS 08	Soluble	Solid	DI Leach	
890-8553-9	SS 09	Soluble	Solid	DI Leach	
890-8553-10	SS 10	Soluble	Solid	DI Leach	
890-8553-11	SS 11	Soluble	Solid	DI Leach	
890-8553-12	SS 12	Soluble	Solid	DI Leach	
890-8553-13	SS 13	Soluble	Solid	DI Leach	
890-8553-14	SS 14	Soluble	Solid	DI Leach	
890-8553-15	SS 15	Soluble	Solid	DI Leach	
890-8553-16	SS 16	Soluble	Solid	DI Leach	
890-8553-17	SS 17	Soluble	Solid	DI Leach	
890-8553-18	SS 18	Soluble	Solid	DI Leach	
890-8553-19	SS 19	Soluble	Solid	DI Leach	
890-8553-20	SS 20	Soluble	Solid	DI Leach	
MB 880-115661/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-115661/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-115661/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8553-1 MS	SS 01	Soluble	Solid	DI Leach	
890-8553-1 MSD	SS 01	Soluble	Solid	DI Leach	
890-8553-11 MS	SS 11	Soluble	Solid	DI Leach	
890-8553-11 MSD	SS 11	Soluble	Solid	DI Leach	

QC Association Summary

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

HPLC/IC

Leach Batch: 115662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8553-21	SS 21	Soluble	Solid	DI Leach	
890-8553-22	SS 22	Soluble	Solid	DI Leach	
890-8553-23	SS 23	Soluble	Solid	DI Leach	
890-8553-24	SS 24	Soluble	Solid	DI Leach	
890-8553-25	FS 01	Soluble	Solid	DI Leach	
890-8553-26	SW 01	Soluble	Solid	DI Leach	
MB 880-115662/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-115662/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-115662/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8553-21 MS	SS 21	Soluble	Solid	DI Leach	
890-8553-21 MSD	SS 21	Soluble	Solid	DI Leach	

Analysis Batch: 115670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8553-1	SS 01	Soluble	Solid	300.0	115661
890-8553-2	SS 02	Soluble	Solid	300.0	115661
890-8553-3	SS 03	Soluble	Solid	300.0	115661
890-8553-4	SS 04	Soluble	Solid	300.0	115661
890-8553-5	SS 05	Soluble	Solid	300.0	115661
890-8553-6	SS 06	Soluble	Solid	300.0	115661
890-8553-7	SS 07	Soluble	Solid	300.0	115661
890-8553-8	SS 08	Soluble	Solid	300.0	115661
890-8553-9	SS 09	Soluble	Solid	300.0	115661
890-8553-10	SS 10	Soluble	Solid	300.0	115661
890-8553-11	SS 11	Soluble	Solid	300.0	115661
890-8553-12	SS 12	Soluble	Solid	300.0	115661
890-8553-13	SS 13	Soluble	Solid	300.0	115661
890-8553-14	SS 14	Soluble	Solid	300.0	115661
890-8553-15	SS 15	Soluble	Solid	300.0	115661
890-8553-16	SS 16	Soluble	Solid	300.0	115661
890-8553-17	SS 17	Soluble	Solid	300.0	115661
890-8553-18	SS 18	Soluble	Solid	300.0	115661
890-8553-19	SS 19	Soluble	Solid	300.0	115661
890-8553-20	SS 20	Soluble	Solid	300.0	115661
MB 880-115661/1-A	Method Blank	Soluble	Solid	300.0	115661
LCS 880-115661/2-A	Lab Control Sample	Soluble	Solid	300.0	115661
LCSD 880-115661/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	115661
890-8553-1 MS	SS 01	Soluble	Solid	300.0	115661
890-8553-1 MSD	SS 01	Soluble	Solid	300.0	115661
890-8553-11 MS	SS 11	Soluble	Solid	300.0	115661
890-8553-11 MSD	SS 11	Soluble	Solid	300.0	115661

Analysis Batch: 115754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8553-21	SS 21	Soluble	Solid	300.0	115662
890-8553-22	SS 22	Soluble	Solid	300.0	115662
890-8553-23	SS 23	Soluble	Solid	300.0	115662
890-8553-24	SS 24	Soluble	Solid	300.0	115662
890-8553-25	FS 01	Soluble	Solid	300.0	115662
890-8553-26	SW 01	Soluble	Solid	300.0	115662
MB 880-115662/1-A	Method Blank	Soluble	Solid	300.0	115662

QC Association Summary

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

HPLC/IC (Continued)

Analysis Batch: 115754 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-115662/2-A	Lab Control Sample	Soluble	Solid	300.0	115662
LCSD 880-115662/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	115662
890-8553-21 MS	SS 21	Soluble	Solid	300.0	115662
890-8553-21 MSD	SS 21	Soluble	Solid	300.0	115662

Lab Chronicle

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

Client Sample ID: SS 01

Lab Sample ID: 890-8553-1
Matrix: Solid
Date Collected: 07/31/25 08:44
Date Received: 08/01/25 08:00

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	115646	08/02/25 18:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115644	08/02/25 21:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115757	08/02/25 21:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			115828	08/04/25 19:03	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115700	08/04/25 09:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/04/25 19:03	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	115661	08/03/25 10:12	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	115670	08/04/25 06:05	SMC	EET MID

Client Sample ID: SS 02

Lab Sample ID: 890-8553-2
Matrix: Solid
Date Collected: 07/31/25 08:47
Date Received: 08/01/25 08:00

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	115646	08/02/25 18:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115644	08/02/25 22:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115757	08/02/25 22:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			115828	08/04/25 19:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	115700	08/04/25 09:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/04/25 19:51	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	115661	08/03/25 10:12	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	115670	08/04/25 06:28	SMC	EET MID

Client Sample ID: SS 03

Lab Sample ID: 890-8553-3
Matrix: Solid
Date Collected: 07/31/25 08:49
Date Received: 08/01/25 08:00

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	115646	08/02/25 18:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115644	08/02/25 22:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115757	08/02/25 22:24	SA	EET MID
Total/NA	Analysis	8015 NM		1			115828	08/04/25 20:07	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	115700	08/04/25 09:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/04/25 20:07	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	115661	08/03/25 10:12	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	115670	08/04/25 06:36	SMC	EET MID

Client Sample ID: SS 04

Lab Sample ID: 890-8553-4
Matrix: Solid
Date Collected: 07/31/25 08:51
Date Received: 08/01/25 08:00

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	115646	08/02/25 18:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115644	08/02/25 22:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115757	08/02/25 22:45	SA	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

Client Sample ID: SS 04

Date Collected: 07/31/25 08:51
Date Received: 08/01/25 08:00

Lab Sample ID: 890-8553-4
Matrix: Solid

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			115828	08/04/25 20:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115700	08/04/25 09:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/04/25 20:22	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	115661	08/03/25 10:12	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	115670	08/04/25 06:44	SMC	EET MID

Client Sample ID: SS 05

Date Collected: 07/31/25 08:53
Date Received: 08/01/25 08:00

Lab Sample ID: 890-8553-5
Matrix: Solid

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	115646	08/02/25 18:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115644	08/02/25 23:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115757	08/02/25 23:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			115828	08/04/25 20:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115700	08/04/25 09:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/04/25 20:38	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	115661	08/03/25 10:12	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	115670	08/04/25 06:51	SMC	EET MID

Client Sample ID: SS 06

Date Collected: 07/31/25 08:55
Date Received: 08/01/25 08:00

Lab Sample ID: 890-8553-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	115646	08/02/25 18:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115644	08/02/25 23:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115757	08/02/25 23:26	SA	EET MID
Total/NA	Analysis	8015 NM		1			115828	08/04/25 20:55	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	115700	08/04/25 09:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/04/25 20:55	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	115661	08/03/25 10:12	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	115670	08/04/25 07:14	SMC	EET MID

Client Sample ID: SS 07

Date Collected: 07/31/25 10:02
Date Received: 08/01/25 08:00

Lab Sample ID: 890-8553-7
Matrix: Solid

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	115646	08/02/25 18:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115644	08/02/25 23:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115757	08/02/25 23:46	SA	EET MID
Total/NA	Analysis	8015 NM		1			115828	08/04/25 21:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	115700	08/04/25 09:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/04/25 21:11	TKC	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

Client Sample ID: SS 07

Lab Sample ID: 890-8553-7

Date Collected: 07/31/25 10:02
Matrix: Solid
Date Received: 08/01/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	115661	08/03/25 10:12	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	115670	08/04/25 07:22	SMC	EET MID

Client Sample ID: SS 08

Lab Sample ID: 890-8553-8

Date Collected: 07/31/25 10:03
Matrix: Solid
Date Received: 08/01/25 08:00

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	115646	08/02/25 18:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115644	08/03/25 00:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115757	08/03/25 00:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			115828	08/04/25 21:26	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115700	08/04/25 09:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/04/25 21:26	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	115661	08/03/25 10:12	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	115670	08/04/25 07:29	SMC	EET MID

Client Sample ID: SS 09

Lab Sample ID: 890-8553-9

Date Collected: 07/31/25 10:04
Matrix: Solid
Date Received: 08/01/25 08:00

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	115646	08/02/25 18:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115644	08/03/25 00:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115757	08/03/25 00:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			115828	08/04/25 21:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	115700	08/04/25 09:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/04/25 21:42	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	115661	08/03/25 10:12	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	115670	08/04/25 07:37	SMC	EET MID

Client Sample ID: SS 10

Lab Sample ID: 890-8553-10

Date Collected: 07/31/25 10:06
Matrix: Solid
Date Received: 08/01/25 08:00

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	115646	08/02/25 18:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115644	08/03/25 00:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115757	08/03/25 00:47	SA	EET MID
Total/NA	Analysis	8015 NM		1			115828	08/04/25 21:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	115700	08/04/25 09:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/04/25 21:58	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	115661	08/03/25 10:12	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	115670	08/04/25 07:45	SMC	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

Client Sample ID: SS 11

Lab Sample ID: 890-8553-11

Date Collected: 07/31/25 10:10
Matrix: Solid
Date Received: 08/01/25 08:00

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	115646	08/02/25 18:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115644	08/03/25 02:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115757	08/03/25 02:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			115828	08/04/25 22:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	115700	08/04/25 09:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/04/25 22:29	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	115661	08/03/25 10:12	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	115670	08/04/25 07:52	SMC	EET MID

Client Sample ID: SS 12

Lab Sample ID: 890-8553-12

Date Collected: 07/31/25 10:12
Matrix: Solid
Date Received: 08/01/25 08:00

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	115646	08/02/25 18:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115644	08/03/25 02:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115757	08/03/25 02:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			115828	08/04/25 22:45	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	115700	08/04/25 09:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/04/25 22:45	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	115661	08/03/25 10:12	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	115670	08/04/25 08:15	SMC	EET MID

Client Sample ID: SS 13

Lab Sample ID: 890-8553-13

Date Collected: 07/31/25 11:05
Matrix: Solid
Date Received: 08/01/25 08:00

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	115646	08/02/25 18:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115644	08/03/25 03:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115757	08/03/25 03:02	SA	EET MID
Total/NA	Analysis	8015 NM		1			115828	08/04/25 23:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	115700	08/04/25 09:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/04/25 23:01	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	115661	08/03/25 10:12	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	115670	08/04/25 08:23	SMC	EET MID

Client Sample ID: SS 14

Lab Sample ID: 890-8553-14

Date Collected: 07/31/25 11:08
Matrix: Solid
Date Received: 08/01/25 08:00

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	115646	08/02/25 18:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115644	08/03/25 03:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115757	08/03/25 03:23	SA	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

Client Sample ID: SS 14

Date Collected: 07/31/25 11:08
Date Received: 08/01/25 08:00

Lab Sample ID: 890-8553-14

Matrix: Solid

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			115828	08/04/25 23:16	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	115700	08/04/25 09:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/04/25 23:16	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	115661	08/03/25 10:12	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	115670	08/04/25 08:46	SMC	EET MID

Client Sample ID: SS 15

Date Collected: 07/31/25 11:10
Date Received: 08/01/25 08:00

Lab Sample ID: 890-8553-15

Matrix: Solid

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	115646	08/02/25 18:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115644	08/03/25 03:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115757	08/03/25 03:43	SA	EET MID
Total/NA	Analysis	8015 NM		1			115828	08/04/25 23:33	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	115700	08/04/25 09:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/04/25 23:33	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	115661	08/03/25 10:12	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	115670	08/04/25 08:54	SMC	EET MID

Client Sample ID: SS 16

Date Collected: 07/31/25 11:11
Date Received: 08/01/25 08:00

Lab Sample ID: 890-8553-16

Matrix: Solid

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	115646	08/02/25 18:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115644	08/03/25 04:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115757	08/03/25 04:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			115828	08/04/25 23:49	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	115700	08/04/25 09:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/04/25 23:49	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	115661	08/03/25 10:12	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	115670	08/04/25 09:01	SMC	EET MID

Client Sample ID: SS 17

Date Collected: 07/31/25 11:13
Date Received: 08/01/25 08:00

Lab Sample ID: 890-8553-17

Matrix: Solid

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	115646	08/02/25 18:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115644	08/03/25 04:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115757	08/03/25 04:24	SA	EET MID
Total/NA	Analysis	8015 NM		1			115828	08/05/25 00:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	115700	08/04/25 09:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/05/25 00:05	TKC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

Client Sample ID: SS 17

Date Collected: 07/31/25 11:13
Date Received: 08/01/25 08:00

Lab Sample ID: 890-8553-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	115661	08/03/25 10:12	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	115670	08/04/25 09:09	SMC	EET MID

Client Sample ID: SS 18

Date Collected: 07/31/25 11:15
Date Received: 08/01/25 08:00

Lab Sample ID: 890-8553-18
Matrix: Solid

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	115646	08/02/25 18:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115644	08/03/25 04:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115757	08/03/25 04:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			115828	08/05/25 00:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115700	08/04/25 09:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/05/25 00:21	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	115661	08/03/25 10:12	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	115670	08/04/25 09:17	SMC	EET MID

Client Sample ID: SS 19

Date Collected: 07/31/25 12:56
Date Received: 08/01/25 08:00

Lab Sample ID: 890-8553-19
Matrix: Solid

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	115646	08/02/25 18:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115644	08/03/25 05:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115757	08/03/25 05:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			115828	08/05/25 00:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	115700	08/04/25 09:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/05/25 00:37	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	115661	08/03/25 10:12	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	115670	08/04/25 09:24	SMC	EET MID

Client Sample ID: SS 20

Date Collected: 07/31/25 12:59
Date Received: 08/01/25 08:00

Lab Sample ID: 890-8553-20
Matrix: Solid

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	115646	08/02/25 18:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115644	08/03/25 05:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115757	08/03/25 05:26	SA	EET MID
Total/NA	Analysis	8015 NM		1			115828	08/05/25 00:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115700	08/04/25 09:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/05/25 00:52	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	115661	08/03/25 10:12	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	115670	08/04/25 09:32	SMC	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

Client Sample ID: SS 21

Lab Sample ID: 890-8553-21

Date Collected: 07/31/25 13:01
Matrix: Solid
Date Received: 08/01/25 08:00

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	115647	08/02/25 19:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115645	08/02/25 21:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115757	08/02/25 21:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			115828	08/05/25 02:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115701	08/04/25 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/05/25 02:58	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	115662	08/03/25 10:17	SMC	EET MID
Soluble	Analysis	300.0		1			115754	08/04/25 12:26	SMC	EET MID

Client Sample ID: SS 22

Lab Sample ID: 890-8553-22

Date Collected: 07/31/25 13:03
Matrix: Solid
Date Received: 08/01/25 08:00

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	115647	08/02/25 19:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115645	08/02/25 22:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115757	08/02/25 22:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			115828	08/05/25 03:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	115701	08/04/25 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/05/25 03:46	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	115662	08/03/25 10:17	SMC	EET MID
Soluble	Analysis	300.0		1			115754	08/04/25 12:43	SMC	EET MID

Client Sample ID: SS 23

Lab Sample ID: 890-8553-23

Date Collected: 07/31/25 13:05
Matrix: Solid
Date Received: 08/01/25 08:00

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	115647	08/02/25 19:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115645	08/02/25 22:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115757	08/02/25 22:26	SA	EET MID
Total/NA	Analysis	8015 NM		1			115828	08/05/25 04:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	115701	08/04/25 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/05/25 04:02	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	115662	08/03/25 10:17	SMC	EET MID
Soluble	Analysis	300.0		1			115754	08/04/25 12:48	SMC	EET MID

Client Sample ID: SS 24

Lab Sample ID: 890-8553-24

Date Collected: 07/31/25 13:10
Matrix: Solid
Date Received: 08/01/25 08:00

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	115647	08/02/25 19:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115645	08/02/25 22:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115757	08/02/25 22:46	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

Client Sample ID: SS 24

Lab Sample ID: 890-8553-24

Date Collected: 07/31/25 13:10
Matrix: Solid
Date Received: 08/01/25 08:00

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			115828	08/05/25 04:18	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	115701	08/04/25 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/05/25 04:18	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	115662	08/03/25 10:17	SMC	EET MID
Soluble	Analysis	300.0		1			115754	08/04/25 12:54	SMC	EET MID

Client Sample ID: FS 01

Lab Sample ID: 890-8553-25

Date Collected: 07/31/25 10:18
Matrix: Solid
Date Received: 08/01/25 08:00

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	115647	08/02/25 19:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115645	08/02/25 23:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115757	08/02/25 23:07	SA	EET MID
Total/NA	Analysis	8015 NM		1			115828	08/05/25 04:34	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115701	08/04/25 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/05/25 04:34	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	115662	08/03/25 10:17	SMC	EET MID
Soluble	Analysis	300.0		1			115754	08/04/25 12:59	SMC	EET MID

Client Sample ID: SW 01

Lab Sample ID: 890-8553-26

Date Collected: 07/31/25 14:14
Matrix: Solid
Date Received: 08/01/25 08:00

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	115647	08/02/25 19:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115645	08/02/25 23:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115757	08/02/25 23:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			115828	08/05/25 04:50	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	115701	08/04/25 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/05/25 04:50	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	115662	08/04/25 11:22	SMC	EET MID
Soluble	Analysis	300.0		1			115754	08/04/25 13:17	SMC	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 PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

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

Method Summary

Client: Ensolum
Project/Site: PLU PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

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 PC 33 BATTERY

Job ID: 890-8553-1
SDG: 03C1558695

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8553-1	SS 01	Solid	07/31/25 08:44	08/01/25 08:00	0
890-8553-2	SS 02	Solid	07/31/25 08:47	08/01/25 08:00	0
890-8553-3	SS 03	Solid	07/31/25 08:49	08/01/25 08:00	0
890-8553-4	SS 04	Solid	07/31/25 08:51	08/01/25 08:00	0
890-8553-5	SS 05	Solid	07/31/25 08:53	08/01/25 08:00	0
890-8553-6	SS 06	Solid	07/31/25 08:55	08/01/25 08:00	0
890-8553-7	SS 07	Solid	07/31/25 10:02	08/01/25 08:00	0
890-8553-8	SS 08	Solid	07/31/25 10:03	08/01/25 08:00	0
890-8553-9	SS 09	Solid	07/31/25 10:04	08/01/25 08:00	0
890-8553-10	SS 10	Solid	07/31/25 10:06	08/01/25 08:00	0
890-8553-11	SS 11	Solid	07/31/25 10:10	08/01/25 08:00	0
890-8553-12	SS 12	Solid	07/31/25 10:12	08/01/25 08:00	0
890-8553-13	SS 13	Solid	07/31/25 11:05	08/01/25 08:00	0
890-8553-14	SS 14	Solid	07/31/25 11:08	08/01/25 08:00	0
890-8553-15	SS 15	Solid	07/31/25 11:10	08/01/25 08:00	0
890-8553-16	SS 16	Solid	07/31/25 11:11	08/01/25 08:00	0
890-8553-17	SS 17	Solid	07/31/25 11:13	08/01/25 08:00	0
890-8553-18	SS 18	Solid	07/31/25 11:15	08/01/25 08:00	0
890-8553-19	SS 19	Solid	07/31/25 12:56	08/01/25 08:00	0
890-8553-20	SS 20	Solid	07/31/25 12:59	08/01/25 08:00	0
890-8553-21	SS 21	Solid	07/31/25 13:01	08/01/25 08:00	0
890-8553-22	SS 22	Solid	07/31/25 13:03	08/01/25 08:00	0
890-8553-23	SS 23	Solid	07/31/25 13:05	08/01/25 08:00	0
890-8553-24	SS 24	Solid	07/31/25 13:10	08/01/25 08:00	0
890-8553-25	FS 01	Solid	07/31/25 10:18	08/01/25 08:00	0
890-8553-26	SW 01	Solid	07/31/25 14:14	08/01/25 08:00	0

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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

Work Order No: _____

www.xenco.com Page 1 of 3

Project Manager:	Ashley Holms	Bill to: (if different)	Colton Brown
Company Name:	Ensolum LLC	Company Name:	XTO Energy
Address:	3122 National Parks Hwy	Address:	3104 E Green St
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Carlsbad, NM 88220
Phone:	715.817.1947	Email:	aholms@ensolum.com kthomason@ensolum.com tmorrissey@ensolum.com

Work Order Comments

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 PC 33 Battery	Turn Around	☒ Routine ☐ Rush
Project Number:	03C1558695	Due Date:	48 HR
Project Location:	32.16806, -103.87781	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Chris Wright		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	Tmoc	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	0.4	
Total Containers:		Corrected Temperature:	0.2	

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX	TPH	Chlorides	Sample Comments
SS01	S	7/31/25	0844	0	C	1		✓	✓	✓	Incident ID: nAPP2517310 27
SS02	S	7/31/25	0847	0	C	1		✓	✓	✓	Cost Center: 212499 1001
SS03	S	7/31/25	0849	0	C	1		✓	✓	✓	
SS04	S	7/31/25	0851	0	C	1		✓	✓	✓	
SS05	S	7/31/25	0853	0	C	1		✓	✓	✓	
SS06	S	7/31/25	0855	0	C	1		✓	✓	✓	
SS07	S	7/31/25	1002	0	C	1		✓	✓	✓	
SS08	S	7/31/25	1003	0	C	1		✓	✓	✓	
SS09	S	7/31/25	1004	0	C	1		✓	✓	✓	
SS10	S	7/31/25	1006	0	C	1		✓	✓	✓	

890-8553 Chain of Custody

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 SiO_2 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 Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Chris Wright	Brun S	8/1 8a	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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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

Work Order No: _____

www.xenco.com Page 2 of 3

Project Manager:	Ashley Holms	Bill to: (if different)	Colton Brown
Company Name:	Ensolum LLC	Company Name:	XTO Energy
Address:	3122 National Parks Hwy	Address:	3104 E Green St
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Carlsbad NM 88220
Phone:	715.817.1947	Email:	aholms@ensolum.com kthomason@ensolum.com tmorrissey@ensolum.com

Work Order Comments

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 PC 33 Battery	Turn Around	
Project Number:	03C1558695	☒ Routine ☐ Rush	
Project Location:	32.16806, -103.87781	Due Date:	48 Hr
Sampler's Name:	Chris Wright	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	TM005	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	0.4	
Total Containers:		Corrected Temperature:	0.2	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX	TPH	Chlorides
SS11	S	7/31/25	1010	0	C	1		✓	✓	✓
SS12	S	7/31/25	1012	0	C	1		✓	✓	✓
SS13	S	7/31/25	1105	0	C	1		✓	✓	✓
SS14	S	7/31/25	1108	0	C	1		✓	✓	✓
SS15	S	7/31/25	1110	0	C	1		✓	✓	✓
SS16	S	7/31/25	1111	0	C	1		✓	✓	✓
SS17	S	7/31/25	1113	0	C	1		✓	✓	✓
SS18	S	7/31/25	1115	0	C	1		✓	✓	✓
SS19	S	7/31/25	1256	0	C	1		✓	✓	✓
SS20	S	7/31/25	1259	0	C	1		✓	✓	✓

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Comments

Incident ID : nAPP2517131027
Cost Center: 2124991001

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 SiO_2 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 Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Chris Wright		8/1 8a	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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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

Work Order No: _____

www.xenco.com Page 3 of 3

Project Manager:	Ashley Holms	Bill to: (if different)	Colton Brown
Company Name:	Ensolum LLC	Company Name:	XTO Energy
Address:	3122 National Parks Hwy	Address:	3104 E Green St
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Carlsbad, NM 88220
Phone:	715.817.1947	Email:	aholmes@ensolum.com kthomason@ensolum.com tmccissey@ensolum.com

Work Order Comments

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 PC 33 Battery	Turn Around	
Project Number:	03C1558695	☒ Routine ☐ Rush	
Project Location:	32.16806, -103.87781	Due Date:	48 HR
Sampler's Name:	Chris Wright	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	Tumoo7
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	0.4
Total Containers:		Corrected Temperature:	0.2

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX	TPH	Chlorides	Sample Comments
SS21	S	7/31/25	1301	1301	C	1		✓	✓	✓	Incident ID : nAPP2517131027
SS22	S	7/31/25	1303	1303	C	1		✓	✓	✓	Cost Center: 2124991001
SS 23	S	7/31/25	1305	1305	C	1		✓	✓	✓	
SS24	S	7/31/25	1310	1310	C	1		✓	✓	✓	
FS01	S	7/31/25	1018	1018	C	1		✓	✓	✓	
SW01	S	7/31/25	1414	1414	C	1		✓	✓	✓	

Parameters

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 SiO_2 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 Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Chris Wright		8/1 8:9	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-8553-1
SDG Number: 03C1558695

Login Number: 8553
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	

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-8553-1
SDG Number: 03C1558695

Login Number: 8553
List Number: 2
Creator: Rios, Minerva

List Source: Eurofins Midland
List Creation: 08/03/25 03:54 PM

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	

CARDINAL Laboratories

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

August 20, 2025

ASHLEY HOLMES

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: PLU PC 33

Enclosed are the results of analyses for samples received by the laboratory on 08/18/25 11:45.

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 accreditated 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,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM
ASHLEY HOLMES
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/18/2025	Sampling Date:	08/15/2025
Reported:	08/20/2025	Sampling Type:	Soil
Project Name:	PLU PC 33	Sampling Condition:	Cool & Intact
Project Number:	03C1558695	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.16806-103.87781		

Sample ID: FS02 1' (H255108-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/18/2025	ND	1.78	89.1	2.00	12.7	
Toluene*	<0.050	0.050	08/18/2025	ND	1.82	91.0	2.00	12.0	
Ethylbenzene*	<0.050	0.050	08/18/2025	ND	1.82	91.0	2.00	11.7	
Total Xylenes*	<0.150	0.150	08/18/2025	ND	5.53	92.1	6.00	11.3	
Total BTEX	<0.300	0.300	08/18/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/19/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2025	ND	185	92.6	200	2.89	
DRO >C10-C28*	<10.0	10.0	08/18/2025	ND	175	87.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	08/18/2025	ND					

Surrogate: 1-Chlorooctane *107 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *106 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

ENSOLUM
ASHLEY HOLMES
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/18/2025	Sampling Date:	08/15/2025
Reported:	08/20/2025	Sampling Type:	Soil
Project Name:	PLU PC 33	Sampling Condition:	Cool & Intact
Project Number:	03C1558695	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.16806-103.87781		

Sample ID: FS03 1' (H255108-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/18/2025	ND	1.78	89.1	2.00	12.7	
Toluene*	<0.050	0.050	08/18/2025	ND	1.82	91.0	2.00	12.0	
Ethylbenzene*	<0.050	0.050	08/18/2025	ND	1.82	91.0	2.00	11.7	
Total Xylenes*	<0.150	0.150	08/18/2025	ND	5.53	92.1	6.00	11.3	
Total BTEX	<0.300	0.300	08/18/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/19/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2025	ND	185	92.6	200	2.89	
DRO >C10-C28*	<10.0	10.0	08/18/2025	ND	175	87.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	08/18/2025	ND					

Surrogate: 1-Chlorooctane *95.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *95.1 %* *40.6-153*

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Analytical Results For:

ENSOLUM
ASHLEY HOLMES
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/18/2025	Sampling Date:	08/15/2025
Reported:	08/20/2025	Sampling Type:	Soil
Project Name:	PLU PC 33	Sampling Condition:	Cool & Intact
Project Number:	03C1558695	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.16806-103.87781		

Sample ID: FS04 1' (H255108-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/18/2025	ND	1.78	89.1	2.00	12.7	
Toluene*	<0.050	0.050	08/18/2025	ND	1.82	91.0	2.00	12.0	
Ethylbenzene*	<0.050	0.050	08/18/2025	ND	1.82	91.0	2.00	11.7	
Total Xylenes*	<0.150	0.150	08/18/2025	ND	5.53	92.1	6.00	11.3	
Total BTEX	<0.300	0.300	08/18/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/19/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2025	ND	185	92.6	200	2.89	
DRO >C10-C28*	<10.0	10.0	08/18/2025	ND	175	87.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	08/18/2025	ND					

Surrogate: 1-Chlorooctane *100 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *98.0 %* *40.6-153*

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Analytical Results For:

ENSOLUM
ASHLEY HOLMES
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/18/2025	Sampling Date:	08/15/2025
Reported:	08/20/2025	Sampling Type:	Soil
Project Name:	PLU PC 33	Sampling Condition:	Cool & Intact
Project Number:	03C1558695	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.16806-103.87781		

Sample ID: FS05 1' (H255108-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/18/2025	ND	1.78	89.1	2.00	12.7	
Toluene*	<0.050	0.050	08/18/2025	ND	1.82	91.0	2.00	12.0	
Ethylbenzene*	<0.050	0.050	08/18/2025	ND	1.82	91.0	2.00	11.7	
Total Xylenes*	<0.150	0.150	08/18/2025	ND	5.53	92.1	6.00	11.3	
Total BTEX	<0.300	0.300	08/18/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/19/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2025	ND	185	92.6	200	2.89	
DRO >C10-C28*	<10.0	10.0	08/18/2025	ND	175	87.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	08/18/2025	ND					

Surrogate: 1-Chlorooctane *98.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *98.3 %* *40.6-153*

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Analytical Results For:

ENSOLUM
ASHLEY HOLMES
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/18/2025	Sampling Date:	08/15/2025
Reported:	08/20/2025	Sampling Type:	Soil
Project Name:	PLU PC 33	Sampling Condition:	Cool & Intact
Project Number:	03C1558695	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.16806-103.87781		

Sample ID: FS06 1' (H255108-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/18/2025	ND	1.78	89.1	2.00	12.7	
Toluene*	<0.050	0.050	08/18/2025	ND	1.82	91.0	2.00	12.0	
Ethylbenzene*	<0.050	0.050	08/18/2025	ND	1.82	91.0	2.00	11.7	
Total Xylenes*	<0.150	0.150	08/18/2025	ND	5.53	92.1	6.00	11.3	
Total BTEX	<0.300	0.300	08/18/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/19/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2025	ND	185	92.6	200	2.89	
DRO >C10-C28*	<10.0	10.0	08/18/2025	ND	175	87.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	08/18/2025	ND					

Surrogate: 1-Chlorooctane *102 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *100 %* *40.6-153*

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Analytical Results For:

ENSOLUM
ASHLEY HOLMES
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/18/2025	Sampling Date:	08/15/2025
Reported:	08/20/2025	Sampling Type:	Soil
Project Name:	PLU PC 33	Sampling Condition:	Cool & Intact
Project Number:	03C1558695	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.16806-103.87781		

Sample ID: FS07 1' (H255108-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2025	ND	1.73	86.7	2.00	5.99	
Toluene*	<0.050	0.050	08/19/2025	ND	1.78	89.2	2.00	6.25	
Ethylbenzene*	<0.050	0.050	08/19/2025	ND	1.77	88.7	2.00	6.56	
Total Xylenes*	<0.150	0.150	08/19/2025	ND	5.28	88.0	6.00	6.24	
Total BTEX	<0.300	0.300	08/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *89.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/19/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2025	ND	185	92.6	200	2.89	
DRO >C10-C28*	<10.0	10.0	08/18/2025	ND	175	87.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	08/18/2025	ND					

Surrogate: 1-Chlorooctane *103 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *101 %* *40.6-153*

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Analytical Results For:

ENSOLUM
ASHLEY HOLMES
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/18/2025	Sampling Date:	08/15/2025
Reported:	08/20/2025	Sampling Type:	Soil
Project Name:	PLU PC 33	Sampling Condition:	Cool & Intact
Project Number:	03C1558695	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.16806-103.87781		

Sample ID: FS08 1' (H255108-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2025	ND	1.73	86.7	2.00	5.99	
Toluene*	<0.050	0.050	08/19/2025	ND	1.78	89.2	2.00	6.25	
Ethylbenzene*	<0.050	0.050	08/19/2025	ND	1.77	88.7	2.00	6.56	
Total Xylenes*	<0.150	0.150	08/19/2025	ND	5.28	88.0	6.00	6.24	
Total BTEX	<0.300	0.300	08/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *90.1 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/19/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2025	ND	185	92.6	200	2.89	
DRO >C10-C28*	<10.0	10.0	08/18/2025	ND	175	87.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	08/18/2025	ND					

Surrogate: 1-Chlorooctane *99.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *96.2 %* *40.6-153*

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Analytical Results For:

ENSOLUM
ASHLEY HOLMES
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/18/2025	Sampling Date:	08/15/2025
Reported:	08/20/2025	Sampling Type:	Soil
Project Name:	PLU PC 33	Sampling Condition:	Cool & Intact
Project Number:	03C1558695	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.16806-103.87781		

Sample ID: FS09 1' (H255108-08)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2025	ND	1.73	86.7	2.00	5.99	
Toluene*	<0.050	0.050	08/19/2025	ND	1.78	89.2	2.00	6.25	
Ethylbenzene*	<0.050	0.050	08/19/2025	ND	1.77	88.7	2.00	6.56	
Total Xylenes*	<0.150	0.150	08/19/2025	ND	5.28	88.0	6.00	6.24	
Total BTEX	<0.300	0.300	08/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *90.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	08/19/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2025	ND	185	92.6	200	2.89	
DRO >C10-C28*	<10.0	10.0	08/18/2025	ND	175	87.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	08/18/2025	ND					

Surrogate: 1-Chlorooctane *97.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *93.7 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

ENSOLUM
ASHLEY HOLMES
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/18/2025	Sampling Date:	08/15/2025
Reported:	08/20/2025	Sampling Type:	Soil
Project Name:	PLU PC 33	Sampling Condition:	Cool & Intact
Project Number:	03C1558695	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.16806-103.87781		

Sample ID: FS10 1' (H255108-09)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2025	ND	1.73	86.7	2.00	5.99	
Toluene*	<0.050	0.050	08/19/2025	ND	1.78	89.2	2.00	6.25	
Ethylbenzene*	<0.050	0.050	08/19/2025	ND	1.77	88.7	2.00	6.56	
Total Xylenes*	<0.150	0.150	08/19/2025	ND	5.28	88.0	6.00	6.24	
Total BTEX	<0.300	0.300	08/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *91.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/19/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2025	ND	185	92.6	200	2.89	
DRO >C10-C28*	<10.0	10.0	08/18/2025	ND	175	87.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	08/18/2025	ND					

Surrogate: 1-Chlorooctane *96.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *92.7 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

ENSOLUM
ASHLEY HOLMES
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/18/2025	Sampling Date:	08/15/2025
Reported:	08/20/2025	Sampling Type:	Soil
Project Name:	PLU PC 33	Sampling Condition:	Cool & Intact
Project Number:	03C1558695	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.16806-103.87781		

Sample ID: FS11 1' (H255108-10)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2025	ND	1.73	86.7	2.00	5.99	
Toluene*	<0.050	0.050	08/19/2025	ND	1.78	89.2	2.00	6.25	
Ethylbenzene*	<0.050	0.050	08/19/2025	ND	1.77	88.7	2.00	6.56	
Total Xylenes*	<0.150	0.150	08/19/2025	ND	5.28	88.0	6.00	6.24	
Total BTEX	<0.300	0.300	08/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *92.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/19/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2025	ND	185	92.6	200	2.89	
DRO >C10-C28*	<10.0	10.0	08/18/2025	ND	175	87.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	08/18/2025	ND					

Surrogate: 1-Chlorooctane *100 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *98.3 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM
ASHLEY HOLMES
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/18/2025	Sampling Date:	08/15/2025
Reported:	08/20/2025	Sampling Type:	Soil
Project Name:	PLU PC 33	Sampling Condition:	Cool & Intact
Project Number:	03C1558695	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.16806-103.87781		

Sample ID: FS12 1' (H255108-11)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2025	ND	1.73	86.7	2.00	5.99	
Toluene*	<0.050	0.050	08/19/2025	ND	1.78	89.2	2.00	6.25	
Ethylbenzene*	<0.050	0.050	08/19/2025	ND	1.77	88.7	2.00	6.56	
Total Xylenes*	<0.150	0.150	08/19/2025	ND	5.28	88.0	6.00	6.24	
Total BTEX	<0.300	0.300	08/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *91.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	08/19/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2025	ND	185	92.6	200	2.89	
DRO >C10-C28*	<10.0	10.0	08/18/2025	ND	175	87.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	08/18/2025	ND					

Surrogate: 1-Chlorooctane *96.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *93.6 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM
ASHLEY HOLMES
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/18/2025	Sampling Date:	08/15/2025
Reported:	08/20/2025	Sampling Type:	Soil
Project Name:	PLU PC 33	Sampling Condition:	Cool & Intact
Project Number:	03C1558695	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.16806-103.87781		

Sample ID: SW02 0-1' (H255108-12)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2025	ND	1.73	86.7	2.00	5.99	
Toluene*	<0.050	0.050	08/19/2025	ND	1.78	89.2	2.00	6.25	
Ethylbenzene*	<0.050	0.050	08/19/2025	ND	1.77	88.7	2.00	6.56	
Total Xylenes*	<0.150	0.150	08/19/2025	ND	5.28	88.0	6.00	6.24	
Total BTEX	<0.300	0.300	08/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *91.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	08/19/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2025	ND	198	99.1	200	1.43	
DRO >C10-C28*	**14.0**	10.0	08/18/2025	ND	186	92.9	200	0.809	
EXT DRO >C28-C36	<10.0	10.0	08/18/2025	ND					

Surrogate: 1-Chlorooctane *85.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.0 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM
ASHLEY HOLMES
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/18/2025	Sampling Date:	08/15/2025
Reported:	08/20/2025	Sampling Type:	Soil
Project Name:	PLU PC 33	Sampling Condition:	Cool & Intact
Project Number:	03C1558695	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.16806-103.87781		

Sample ID: SW03 0-1' (H255108-13)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2025	ND	1.73	86.7	2.00	5.99	
Toluene*	<0.050	0.050	08/19/2025	ND	1.78	89.2	2.00	6.25	
Ethylbenzene*	<0.050	0.050	08/19/2025	ND	1.77	88.7	2.00	6.56	
Total Xylenes*	<0.150	0.150	08/19/2025	ND	5.28	88.0	6.00	6.24	
Total BTEX	<0.300	0.300	08/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *91.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/19/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2025	ND	198	99.1	200	1.43	
DRO >C10-C28*	<10.0	10.0	08/18/2025	ND	186	92.9	200	0.809	
EXT DRO >C28-C36	<10.0	10.0	08/18/2025	ND					

Surrogate: 1-Chlorooctane *87.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM
ASHLEY HOLMES
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/18/2025	Sampling Date:	08/15/2025
Reported:	08/20/2025	Sampling Type:	Soil
Project Name:	PLU PC 33	Sampling Condition:	Cool & Intact
Project Number:	03C1558695	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.16806-103.87781		

Sample ID: SW04 0-1' (H255108-14)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2025	ND	1.73	86.7	2.00	5.99	
Toluene*	<0.050	0.050	08/19/2025	ND	1.78	89.2	2.00	6.25	
Ethylbenzene*	<0.050	0.050	08/19/2025	ND	1.77	88.7	2.00	6.56	
Total Xylenes*	<0.150	0.150	08/19/2025	ND	5.28	88.0	6.00	6.24	
Total BTEX	<0.300	0.300	08/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *91.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/19/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2025	ND	198	99.1	200	1.43	
DRO >C10-C28*	<10.0	10.0	08/18/2025	ND	186	92.9	200	0.809	
EXT DRO >C28-C36	<10.0	10.0	08/18/2025	ND					

Surrogate: 1-Chlorooctane *88.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.2 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 2

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

Company Name:	Ensolum, LLC
Project Manager:	Ashley Holmes
Address:	3122 National Parks Hwy
City:	Carlsbad State: NM Zip: 88220
Phone #:	713.817.1947 Fax #:
Project #:	03C1558695 Project Owner:
Project Name:	PLU PC 53
Project Location:	32.16806, -103.87781
Sampler Name:	Chris Wright

BILL TO

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

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	BTEX	TPH	CHLORIDE
H255108																		
1	FS02	1	C	1			✓					✓		8/15/25	1016	✓	✓	✓
2	FS03	1	C	1			✓					✓		8/15/25	1020	✓	✓	✓
3	FS04	1	C	1			✓					✓		8/15/25	1245	✓	✓	✓
4	FS05	1	C	1			✓					✓		8/15/25	1242	✓	✓	✓
5	FS06	1	C	1			✓					✓		8/15/25	1239	✓	✓	✓
6	FS07	1	C	1			✓					✓		8/15/25	1407	✓	✓	✓
7	FS08	1	C	1			✓					✓		8/15/25	1410	✓	✓	✓
8	FS09	1	C	1			✓					✓		8/15/25	1414	✓	✓	✓
9	FS10	1	C	1			✓					✓		8/15/25	1416	✓	✓	✓
10	FS11	1	C	1			✓					✓		8/15/25	1547	✓	✓	✓

Relinquished By:	Date: 8-18-25	Received By:	
CFW	Time: 1145		
Relinquished By:	Date:	Received By:	
	Time:		

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

All Results are emailed. Please provide Email address:

aholmes@ensolum.com tmorrissey@ensolum.com kthomason@ensolum.com cwright@ensolum.com

REMARKS:

Incident Number: nAPP2517331027

Cost Center: 2124991001

Delivered By: (Circle One)	Observed Temp. °C 3.6	Sample Condition Cool / Intact	CHECKED BY: (Initials)	Turnaround Time: Standard ☐ Rush ☒ 48 HR
Sampler - UPS - Bus - Other:	Corrected Temp. °C 3.9	☑ Yes ☑ Yes ☐ No ☐ No		Thermometer ID #113 #140 Correction Factor -0.3°C +0.3°C

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

8/18/25

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

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 2

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

Company Name:	Ensolum, LLC
Project Manager:	Ashley Holmes
Address:	3122 National Parks Hwy
City:	Carlsbad State: NM Zip: 88220
Phone #:	713.817.1947 Fax #:
Project #:	03C1558695 Project Owner:
Project Name:	PLU PC 33
Project Location:	32.16806, -103.87781
Sampler Name:	Chris Wright

BILL TO

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

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL ✓	OTHER :	SAMPLING: DATE	TIME	BTEX	TPH	CHLORIDE
H255108																		
11	FS12	1	C	1			✓					✓		8/13/25	1549	✓	✓	✓
12	SW02	0-1	C	1			✓					✓		8/13/25	1642	✓	✓	✓
13	SW03	0-1	C	1			✓					✓		8/13/25	1644	✓	✓	✓
14	SW04	0-1	C	1			✓					✓		8/13/25	1647	✓	✓	✓

CFW

Relinquished By:	CFW	Date: 8-18-25 Time: 1145	Received By: Tamara Addison
Relinquished By:		Date: Time:	Received By:

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

All Results are emailed. Please provide Email address:

aholmes@ensolum.com tmorrissey@ensolum.com kthomason@ensolum.com cwright@ensolum.com

REMARKS:

Incident Number: nAPP2517131027

Cost Center: 2124991001

Delivered By: (Circle One)	Observed Temp. °C 3.4	Sample Condition Cool: ☑ Yes ☐ No	Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	Corrected Temp. °C 3.9			

Turnaround Time: 48 HR Standard ☐ Rush ☒

Thermometer ID #113 #140 Correction Factor -0.5°C +0.3°

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

8/15/25

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

FORM-006 R 3.2 10/07/21

CARDINAL Laboratories

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

August 27, 2025

ASHLEY HOLMES

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: PLU PC 33

Enclosed are the results of analyses for samples received by the laboratory on 08/26/25 13:17.

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 accreditated 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,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM
ASHLEY HOLMES
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/26/2025	Sampling Date:	08/26/2025
Reported:	08/27/2025	Sampling Type:	Soil
Project Name:	PLU PC 33	Sampling Condition:	Cool & Intact
Project Number:	03C1558695	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.16806-103.87781		

Sample ID: FS 01 A 2' (H255306-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2025	ND	1.91	95.5	2.00	3.83	
Toluene*	<0.050	0.050	08/26/2025	ND	1.99	99.5	2.00	2.32	
Ethylbenzene*	<0.050	0.050	08/26/2025	ND	2.00	99.8	2.00	1.51	
Total Xylenes*	<0.150	0.150	08/26/2025	ND	6.04	101	6.00	1.27	
Total BTEX	<0.300	0.300	08/26/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	08/26/2025	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	08/26/2025	ND	204	102	200	2.63	
DRO >C10-C28*	<10.0	10.0	08/26/2025	ND	190	95.2	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	08/26/2025	ND					

Surrogate: 1-Chlorooctane *98.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *102 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM
ASHLEY HOLMES
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/26/2025	Sampling Date:	08/26/2025
Reported:	08/27/2025	Sampling Type:	Soil
Project Name:	PLU PC 33	Sampling Condition:	Cool & Intact
Project Number:	03C1558695	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.16806-103.87781		

Sample ID: FS 13 1' (H255306-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2025	ND	1.91	95.5	2.00	3.83	
Toluene*	<0.050	0.050	08/26/2025	ND	1.99	99.5	2.00	2.32	
Ethylbenzene*	<0.050	0.050	08/26/2025	ND	2.00	99.8	2.00	1.51	
Total Xylenes*	<0.150	0.150	08/26/2025	ND	6.04	101	6.00	1.27	
Total BTEX	<0.300	0.300	08/26/2025	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	<16.0	16.0	08/26/2025	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	08/26/2025	ND	204	102	200	2.63	
DRO >C10-C28*	<10.0	10.0	08/26/2025	ND	190	95.2	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	08/26/2025	ND					

Surrogate: 1-Chlorooctane *100 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *105 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM
ASHLEY HOLMES
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/26/2025	Sampling Date:	08/26/2025
Reported:	08/27/2025	Sampling Type:	Soil
Project Name:	PLU PC 33	Sampling Condition:	Cool & Intact
Project Number:	03C1558695	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.16806-103.87781		

Sample ID: SW 05 0-2' (H255306-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2025	ND	2.02	101	2.00	1.54	
Toluene*	<0.050	0.050	08/26/2025	ND	2.10	105	2.00	1.28	
Ethylbenzene*	<0.050	0.050	08/26/2025	ND	2.07	103	2.00	2.10	
Total Xylenes*	<0.150	0.150	08/26/2025	ND	6.43	107	6.00	1.70	
Total BTEX	<0.300	0.300	08/26/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	08/26/2025	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	08/26/2025	ND	204	102	200	2.63	
DRO >C10-C28*	<10.0	10.0	08/26/2025	ND	190	95.2	200	2.33	
EXT DRO >C28-C36	<10.0	10.0	08/26/2025	ND					

Surrogate: 1-Chlorooctane *97.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *103 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC
Project Manager: Ashley Holmes
Address: 3122 National Parks Hwy
City: Carlsbad State: NM Zip: 88220
Phone #: 713.817.1947 Fax #:
Project #: 03C1558695 Project Owner: XTO
Project Name: PLU PC 33
Project Location: 32.16806, -103.87781
Sampler Name: Chris Wright

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

ANALYSIS REQUEST

Lab I.D. (FOR LAB USE ONLY)	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	Chlorides	TPH	BTEX
H255306																		
1	FS01A	2'	C	1			✓					✓		8/26/25	0901	✓	✓	✓
2	FS13	1'	C	1			✓					✓		8/26/25	0905	✓	✓	✓
3	~~SW07~~ SW05	0-2'	C	1			✓					✓		8/26/25	0910	✓	✓	✓

CFW

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

Relinquished By: CFW Date: 8-26-25 Time: 1317 Received By: SRodriguez
Relinquished By: Date: Time: Received By:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C 2.8 Corrected Temp. °C 3.1
Sample Condition Cool Intact ☐ Yes ☐ Yes ☐ No ☐ No
CHECKED BY: (Initials) SR

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:
aholmes @ensolum.com, TMorrissey@ensolum.com, KThomason@ensolum.com
cwright@ensolum.com
REMARKS:
Incident: nAPP2517131027 GFCM: 48605000 - SPILLS
Cost Center: 2134991001
Turnaround Time: 24 Hr Standard ☐ Rush ☒
Thermometer ID: #140
Correction Factor: +0.3
Bacteria (only) Sample Condition Cool Intact ☐ Yes ☐ Yes ☐ No ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.2 10/07/21

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Jeremy Reich
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 9/24/2025 1:51:32 PM

JOB DESCRIPTION

PLU PC 33 Fed Battery
03C1558695

JOB NUMBER

890-8836-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

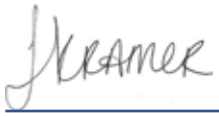
Eurofins Carlsbad

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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9/24/2025 1:51:32 PM

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

Client: Ensolum
Project/Site: PLU PC 33 Fed Battery

Laboratory Job ID: 890-8836-1
SDG: 03C1558695

Table of Contents

Definitions/Glossary

Client: Ensolum
Project/Site: PLU PC 33 Fed Battery

Job ID: 890-8836-1
SDG: 03C1558695

Qualifiers

GC VOA

Qualifier	Qualifier Description
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.

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 Job ID: 890-8836-1
Project: PLU PC 33 Fed Battery

Job ID: 890-8836-1 Eurofins Carlsbad

Job Narrative
890-8836-1

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 9/22/2025 4:11 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 3.2°C.

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: SS26 (890-8836-2) and SS33 (890-8836-8). 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.

Diesel Range Organics
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-119521/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (MB 880-119522/1-A) and (890-8834-A-15-B). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-119522/3-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.

HPLC/IC
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-119626 and analytical batch 880-119643 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.

Client Sample Results

Client: Ensolum
Project/Site: PLU PC 33 Fed Battery

Job ID: 890-8836-1
SDG: 03C1558695

Client Sample ID: SS25
Date Collected: 09/22/25 09:52
Date Received: 09/22/25 16:11
Sample Depth: Surface

Lab Sample ID: 890-8836-1
Matrix: Solid

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		09/23/25 08:11	09/23/25 14:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/23/25 08:11	09/23/25 14:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/23/25 08:11	09/23/25 14:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/23/25 08:11	09/23/25 14:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/23/25 08:11	09/23/25 14:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/23/25 08:11	09/23/25 14:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*09/23/25 08:11*	*09/23/25 14:08*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*09/23/25 08:11*	*09/23/25 14:08*	*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			09/23/25 14:08	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			09/23/25 17:55	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		09/23/25 07:51	09/23/25 17:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/23/25 07:51	09/23/25 17:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/23/25 07:51	09/23/25 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*09/23/25 07:51*	*09/23/25 17:55*	*1*
o-Terphenyl	*83*		*70 - 130*	*09/23/25 07:51*	*09/23/25 17:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**90.0**		10.0		mg/Kg			09/24/25 10:44	1

Client Sample ID: SS26
Date Collected: 09/22/25 09:54
Date Received: 09/22/25 16:11
Sample Depth: Surface

Lab Sample ID: 890-8836-2
Matrix: Solid

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		09/23/25 08:11	09/23/25 16:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/23/25 08:11	09/23/25 16:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/23/25 08:11	09/23/25 16:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/23/25 08:11	09/23/25 16:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/23/25 08:11	09/23/25 16:24	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/23/25 08:11	09/23/25 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*09/23/25 08:11*	*09/23/25 16:24*	*1*

Client Sample Results

Client: Ensolum
Project/Site: PLU PC 33 Fed Battery

Job ID: 890-8836-1
SDG: 03C1558695

Client Sample ID: SS26

Date Collected: 09/22/25 09:54
Date Received: 09/22/25 16:11
Sample Depth: Surface

Lab Sample ID: 890-8836-2
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*09/23/25 08:11*	*09/23/25 16:24*	*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			09/23/25 16:24	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			09/23/25 18:10	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		09/23/25 07:51	09/23/25 18:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		09/23/25 07:51	09/23/25 18:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/23/25 07:51	09/23/25 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*09/23/25 07:51*	*09/23/25 18:10*	*1*
o-Terphenyl	*86*		*70 - 130*	*09/23/25 07:51*	*09/23/25 18:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**142**		10.1	mg/Kg			09/24/25 10:49	1

Client Sample ID: SS28

Date Collected: 09/22/25 10:50
Date Received: 09/22/25 16:11
Sample Depth: Surface

Lab Sample ID: 890-8836-3
Matrix: Solid

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		09/23/25 08:11	09/23/25 16:44	1
Toluene	<0.00200	U	0.00200	mg/Kg		09/23/25 08:11	09/23/25 16:44	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		09/23/25 08:11	09/23/25 16:44	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		09/23/25 08:11	09/23/25 16:44	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		09/23/25 08:11	09/23/25 16:44	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		09/23/25 08:11	09/23/25 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*09/23/25 08:11*	*09/23/25 16:44*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*09/23/25 08:11*	*09/23/25 16:44*	*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			09/23/25 16:44	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			09/23/25 18:25	1

Client Sample Results

Client: Ensolum
Project/Site: PLU PC 33 Fed Battery

Job ID: 890-8836-1
SDG: 03C1558695

Client Sample ID: SS28
Date Collected: 09/22/25 10:50
Date Received: 09/22/25 16:11
Sample Depth: Surface

Lab Sample ID: 890-8836-3
Matrix: Solid

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		09/23/25 07:51	09/23/25 18:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/23/25 07:51	09/23/25 18:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/23/25 07:51	09/23/25 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*09/23/25 07:51*	*09/23/25 18:25*	*1*
o-Terphenyl	*90*		*70 - 130*	*09/23/25 07:51*	*09/23/25 18:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**133**		10.1		mg/Kg			09/24/25 10:54	1

Client Sample ID: SS29
Date Collected: 09/22/25 10:52
Date Received: 09/22/25 16:11
Sample Depth: Surface

Lab Sample ID: 890-8836-4
Matrix: Solid

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		09/23/25 08:11	09/23/25 17:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/23/25 08:11	09/23/25 17:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/23/25 08:11	09/23/25 17:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/23/25 08:11	09/23/25 17:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/23/25 08:11	09/23/25 17:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/23/25 08:11	09/23/25 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*09/23/25 08:11*	*09/23/25 17:04*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*09/23/25 08:11*	*09/23/25 17:04*	*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			09/23/25 17:04	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			09/23/25 18:40	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		09/23/25 07:51	09/23/25 18:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/23/25 07:51	09/23/25 18:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/23/25 07:51	09/23/25 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*09/23/25 07:51*	*09/23/25 18:40*	*1*
o-Terphenyl	*83*		*70 - 130*	*09/23/25 07:51*	*09/23/25 18:40*	*1*

Client Sample Results

Client: Ensolum
Project/Site: PLU PC 33 Fed Battery

Job ID: 890-8836-1
SDG: 03C1558695

Client Sample ID: SS29
Date Collected: 09/22/25 10:52
Date Received: 09/22/25 16:11
Sample Depth: Surface

Lab Sample ID: 890-8836-4
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.8		10.0		mg/Kg			09/24/25 10:59	1

Client Sample ID: SS30
Date Collected: 09/22/25 10:55
Date Received: 09/22/25 16:11
Sample Depth: Surface

Lab Sample ID: 890-8836-5
Matrix: Solid

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		09/23/25 08:11	09/23/25 17:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/23/25 08:11	09/23/25 17:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/23/25 08:11	09/23/25 17:25	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/23/25 08:11	09/23/25 17:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/23/25 08:11	09/23/25 17:25	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/23/25 08:11	09/23/25 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*09/23/25 08:11*	*09/23/25 17:25*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*09/23/25 08:11*	*09/23/25 17:25*	*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			09/23/25 17:25	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			09/23/25 18:55	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		09/23/25 07:51	09/23/25 18:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/23/25 07:51	09/23/25 18:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/23/25 07:51	09/23/25 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*09/23/25 07:51*	*09/23/25 18:55*	*1*
o-Terphenyl	*83*		*70 - 130*	*09/23/25 07:51*	*09/23/25 18:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	89.7		10.1		mg/Kg			09/24/25 11:05	1

Client Sample Results

Client: Ensolum
Project/Site: PLU PC 33 Fed Battery

Job ID: 890-8836-1
SDG: 03C1558695

Client Sample ID: SS31
Date Collected: 09/22/25 09:36
Date Received: 09/22/25 16:11
Sample Depth: Surface

Lab Sample ID: 890-8836-6
Matrix: Solid

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		09/23/25 08:11	09/23/25 17:45	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/23/25 08:11	09/23/25 17:45	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/23/25 08:11	09/23/25 17:45	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/23/25 08:11	09/23/25 17:45	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/23/25 08:11	09/23/25 17:45	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/23/25 08:11	09/23/25 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*09/23/25 08:11*	*09/23/25 17:45*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*09/23/25 08:11*	*09/23/25 17:45*	*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			09/23/25 17:45	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			09/23/25 17:39	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		09/23/25 07:53	09/23/25 17:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/23/25 07:53	09/23/25 17:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/23/25 07:53	09/23/25 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*09/23/25 07:53*	*09/23/25 17:39*	*1*
o-Terphenyl	*111*		*70 - 130*	*09/23/25 07:53*	*09/23/25 17:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**144**	**F1**	9.96		mg/Kg			09/24/25 11:10	1

Client Sample ID: SS32
Date Collected: 09/22/25 09:42
Date Received: 09/22/25 16:11
Sample Depth: Surface

Lab Sample ID: 890-8836-7
Matrix: Solid

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		09/23/25 08:11	09/23/25 18:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/23/25 08:11	09/23/25 18:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/23/25 08:11	09/23/25 18:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/23/25 08:11	09/23/25 18:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/23/25 08:11	09/23/25 18:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/23/25 08:11	09/23/25 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*09/23/25 08:11*	*09/23/25 18:06*	*1*

Client Sample Results

Client: Ensolum
Project/Site: PLU PC 33 Fed Battery

Job ID: 890-8836-1
SDG: 03C1558695

Client Sample ID: SS32

Date Collected: 09/22/25 09:42
Date Received: 09/22/25 16:11
Sample Depth: Surface

Lab Sample ID: 890-8836-7
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*09/23/25 08:11*	*09/23/25 18:06*	*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			09/23/25 18:06	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			09/23/25 17:55	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		09/23/25 07:53	09/23/25 17:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		09/23/25 07:53	09/23/25 17:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/23/25 07:53	09/23/25 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*09/23/25 07:53*	*09/23/25 17:55*	*1*
o-Terphenyl	*107*		*70 - 130*	*09/23/25 07:53*	*09/23/25 17:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**110**		9.92	mg/Kg			09/24/25 11:26	1

Client Sample ID: SS33

Date Collected: 09/22/25 09:47
Date Received: 09/22/25 16:11
Sample Depth: Surface

Lab Sample ID: 890-8836-8
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		09/23/25 08:11	09/23/25 18:26	1
Toluene	<0.00198	U	0.00198	mg/Kg		09/23/25 08:11	09/23/25 18:26	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		09/23/25 08:11	09/23/25 18:26	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		09/23/25 08:11	09/23/25 18:26	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		09/23/25 08:11	09/23/25 18:26	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		09/23/25 08:11	09/23/25 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*09/23/25 08:11*	*09/23/25 18:26*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*09/23/25 08:11*	*09/23/25 18:26*	*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			09/23/25 18:26	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			09/23/25 18:10	1

Client Sample Results

Client: Ensolum
Project/Site: PLU PC 33 Fed Battery

Job ID: 890-8836-1
SDG: 03C1558695

Client Sample ID: SS33

Date Collected: 09/22/25 09:47
Date Received: 09/22/25 16:11
Sample Depth: Surface

Lab Sample ID: 890-8836-8
Matrix: Solid

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		09/23/25 07:53	09/23/25 18:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/23/25 07:53	09/23/25 18:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/23/25 07:53	09/23/25 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*09/23/25 07:53*	*09/23/25 18:10*	*1*
o-Terphenyl	*109*		*70 - 130*	*09/23/25 07:53*	*09/23/25 18:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**131**		9.94		mg/Kg			09/24/25 11:31	1

Client Sample ID: SS35

Date Collected: 09/22/25 12:02
Date Received: 09/22/25 16:11
Sample Depth: Surface

Lab Sample ID: 890-8836-9
Matrix: Solid

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		09/23/25 08:11	09/23/25 18:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/23/25 08:11	09/23/25 18:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/23/25 08:11	09/23/25 18:47	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/23/25 08:11	09/23/25 18:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/23/25 08:11	09/23/25 18:47	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/23/25 08:11	09/23/25 18:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*09/23/25 08:11*	*09/23/25 18:47*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*09/23/25 08:11*	*09/23/25 18:47*	*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			09/23/25 18:47	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			09/23/25 18:25	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		09/23/25 07:53	09/23/25 18:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/23/25 07:53	09/23/25 18:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/23/25 07:53	09/23/25 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*09/23/25 07:53*	*09/23/25 18:25*	*1*
o-Terphenyl	*118*		*70 - 130*	*09/23/25 07:53*	*09/23/25 18:25*	*1*

Client Sample Results

Client: Ensolum
Project/Site: PLU PC 33 Fed Battery

Job ID: 890-8836-1
SDG: 03C1558695

Client Sample ID: SS35
Date Collected: 09/22/25 12:02
Date Received: 09/22/25 16:11
Sample Depth: Surface

Lab Sample ID: 890-8836-9
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.6		9.90		mg/Kg			09/24/25 11:47	1

Client Sample ID: SS27
Date Collected: 09/22/25 10:47
Date Received: 09/22/25 16:11
Sample Depth: Surface

Lab Sample ID: 890-8836-10
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		09/23/25 08:11	09/23/25 19:07	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/23/25 08:11	09/23/25 19:07	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/23/25 08:11	09/23/25 19:07	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/23/25 08:11	09/23/25 19:07	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/23/25 08:11	09/23/25 19:07	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/23/25 08:11	09/23/25 19:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*09/23/25 08:11*	*09/23/25 19:07*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*09/23/25 08:11*	*09/23/25 19:07*	*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			09/23/25 19:07	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			09/23/25 18:40	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		09/23/25 07:53	09/23/25 18:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/23/25 07:53	09/23/25 18:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/23/25 07:53	09/23/25 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*09/23/25 07:53*	*09/23/25 18:40*	*1*
o-Terphenyl	*122*		*70 - 130*	*09/23/25 07:53*	*09/23/25 18:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	198		10.1		mg/Kg			09/24/25 11:52	1

Client Sample Results

Client: Ensolum
Project/Site: PLU PC 33 Fed Battery

Job ID: 890-8836-1
SDG: 03C1558695

Client Sample ID: SS34

Date Collected: 09/22/25 12:52
Date Received: 09/22/25 16:11
Sample Depth: Surface

Lab Sample ID: 890-8836-11

Matrix: Solid

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		09/23/25 08:11	09/23/25 19:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/23/25 08:11	09/23/25 19:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/23/25 08:11	09/23/25 19:27	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/23/25 08:11	09/23/25 19:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/23/25 08:11	09/23/25 19:27	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/23/25 08:11	09/23/25 19:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*09/23/25 08:11*	*09/23/25 19:27*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*09/23/25 08:11*	*09/23/25 19:27*	*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			09/23/25 19:27	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			09/23/25 18:55	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		09/23/25 07:53	09/23/25 18:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/23/25 07:53	09/23/25 18:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/23/25 07:53	09/23/25 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*09/23/25 07:53*	*09/23/25 18:55*	*1*
o-Terphenyl	*116*		*70 - 130*	*09/23/25 07:53*	*09/23/25 18:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**117**		10.0		mg/Kg			09/24/25 11:57	1

Surrogate Summary

Client: Ensolum
Project/Site: PLU PC 33 Fed Battery

Job ID: 890-8836-1
SDG: 03C1558695

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)
890-8834-A-21-C MS	Matrix Spike	114	91
890-8834-A-21-D MSD	Matrix Spike Duplicate	118	89
890-8836-1	SS25	110	115
890-8836-2	SS26	134 S1+	97
890-8836-3	SS28	122	104
890-8836-4	SS29	112	93
890-8836-5	SS30	125	86
890-8836-6	SS31	128	92
890-8836-7	SS32	122	88
890-8836-8	SS33	135 S1+	106
890-8836-9	SS35	113	99
890-8836-10	SS27	113	107
890-8836-11	SS34	124	110
LCS 880-119528/1-A	Lab Control Sample	99	100
LCSD 880-119528/2-A	Lab Control Sample Dup	118	108
MB 880-119528/5-A	Method Blank	123	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)
890-8834-A-1-E MS	Matrix Spike	82	88
890-8834-A-1-F MSD	Matrix Spike Duplicate	99	87
890-8834-A-15-C MS	Matrix Spike	114	125
890-8834-A-15-D MSD	Matrix Spike Duplicate	101	109
890-8836-1	SS25	86	83
890-8836-2	SS26	89	86
890-8836-3	SS28	91	90
890-8836-4	SS29	86	83
890-8836-5	SS30	87	83
890-8836-6	SS31	109	111
890-8836-7	SS32	107	107
890-8836-8	SS33	112	109
890-8836-9	SS35	122	118
890-8836-10	SS27	124	122
890-8836-11	SS34	122	116
LCS 880-119521/2-A	Lab Control Sample	121	112
LCS 880-119522/2-A	Lab Control Sample	106	117
LCSD 880-119521/3-A	Lab Control Sample Dup	92	103
LCSD 880-119522/3-A	Lab Control Sample Dup	116	131 S1+
MB 880-119521/1-A	Method Blank	127	131 S1+
MB 880-119522/1-A	Method Blank	150 S1+	161 S1+

Surrogate Legend

1CO = 1-Chlorooctane

Surrogate Summary

Client: Ensolum
Project/Site: PLU PC 33 Fed Battery

Job ID: 890-8836-1
SDG: 03C1558695

OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: PLU PC 33 Fed Battery

Job ID: 890-8836-1
SDG: 03C1558695

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-119528/5-A
Matrix: Solid
Analysis Batch: 119525

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119528

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/23/25 08:11	09/23/25 11:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/23/25 08:11	09/23/25 11:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/23/25 08:11	09/23/25 11:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/23/25 08:11	09/23/25 11:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/23/25 08:11	09/23/25 11:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/23/25 08:11	09/23/25 11:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*09/23/25 08:11*	*09/23/25 11:23*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*09/23/25 08:11*	*09/23/25 11:23*	*1*

Lab Sample ID: LCS 880-119528/1-A
Matrix: Solid
Analysis Batch: 119525

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119528

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08763		mg/Kg		88	70 - 130		
Toluene			0.100	0.09715		mg/Kg		97	70 - 130		
Ethylbenzene			0.100	0.1010		mg/Kg		101	70 - 130		
m-Xylene & p-Xylene			0.200	0.2086		mg/Kg		104	70 - 130		
o-Xylene			0.100	0.1056		mg/Kg		106	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-119528/2-A
Matrix: Solid
Analysis Batch: 119525

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119528

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09899		mg/Kg		99	70 - 130	12	35
Toluene			0.100	0.1072		mg/Kg		107	70 - 130	10	35
Ethylbenzene			0.100	0.1089		mg/Kg		109	70 - 130	8	35
m-Xylene & p-Xylene			0.200	0.2236		mg/Kg		112	70 - 130	7	35
o-Xylene			0.100	0.1135		mg/Kg		114	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: 890-8834-A-21-C MS
Matrix: Solid
Analysis Batch: 119525

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 119528

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U	0.100	0.09204		mg/Kg		92	70 - 130		
Toluene	<0.00201	U	0.100	0.09824		mg/Kg		98	70 - 130		

QC Sample Results

Client: Ensolum
Project/Site: PLU PC 33 Fed Battery

Job ID: 890-8836-1
SDG: 03C1558695

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

Lab Sample ID: 890-8834-A-21-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 119525 — **Prep Batch: 119528**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.09872		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2006		mg/Kg		100	70 - 130
o-Xylene	<0.00201	U	0.100	0.1018		mg/Kg		102	70 - 130

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

Lab Sample ID: 890-8834-A-21-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 119525 — **Prep Batch: 119528**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09250		mg/Kg		92	70 - 130	0	35
Toluene	<0.00201	U	0.100	0.09891		mg/Kg		99	70 - 130	1	35
Ethylbenzene	<0.00201	U	0.100	0.09996		mg/Kg		100	70 - 130	1	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2031		mg/Kg		102	70 - 130	1	35
o-Xylene	<0.00201	U	0.100	0.1045		mg/Kg		105	70 - 130	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

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

Lab Sample ID: MB 880-119521/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 119576 — **Prep Batch: 119521**

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		09/23/25 07:51	09/23/25 09:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		09/23/25 07:51	09/23/25 09:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/23/25 07:51	09/23/25 09:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*127*		*70 - 130*	*09/23/25 07:51*	*09/23/25 09:38*	*1*
o-Terphenyl	*131*	*S1+*	*70 - 130*	*09/23/25 07:51*	*09/23/25 09:38*	*1*

Lab Sample ID: LCS 880-119521/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 119576 — **Prep Batch: 119521**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1084		mg/Kg		108	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1060		mg/Kg		106	70 - 130

QC Sample Results

Client: Ensolum
Project/Site: PLU PC 33 Fed Battery

Job ID: 890-8836-1
SDG: 03C1558695

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

Lab Sample ID: LCS 880-119521/2-A
Matrix: Solid
Analysis Batch: 119576

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119521

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	121		70 - 130
o-Terphenyl	112		70 - 130

Lab Sample ID: LCSD 880-119521/3-A
Matrix: Solid
Analysis Batch: 119576

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119521

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1007		mg/Kg		101	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	1040		mg/Kg		104	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: 890-8834-A-1-E MS
Matrix: Solid
Analysis Batch: 119576

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 119521

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	845.8		mg/Kg		84	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	929.1		mg/Kg		93	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	82		70 - 130
o-Terphenyl	88		70 - 130

Lab Sample ID: 890-8834-A-1-F MSD
Matrix: Solid
Analysis Batch: 119576

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 119521

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	1000	852.5		mg/Kg		85	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	885.4		mg/Kg		88	70 - 130	5	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	87		70 - 130

QC Sample Results

Client: Ensolum
Project/Site: PLU PC 33 Fed Battery

Job ID: 890-8836-1
SDG: 03C1558695

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

Lab Sample ID: MB 880-119522/1-A
Matrix: Solid
Analysis Batch: 119578

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119522

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		09/23/25 07:53	09/23/25 09:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/23/25 07:53	09/23/25 09:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/23/25 07:53	09/23/25 09:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*150*	*S1+*	*70 - 130*	*09/23/25 07:53*	*09/23/25 09:38*	*1*
o-Terphenyl	*161*	*S1+*	*70 - 130*	*09/23/25 07:53*	*09/23/25 09:38*	*1*

Lab Sample ID: LCS 880-119522/2-A
Matrix: Solid
Analysis Batch: 119578

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119522

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	902.7		mg/Kg		90	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	860.9		mg/Kg		86	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*106*		*70 - 130*
o-Terphenyl	*117*		*70 - 130*

Lab Sample ID: LCSD 880-119522/3-A
Matrix: Solid
Analysis Batch: 119578

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119522

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1000		mg/Kg		100	70 - 130	10	20
Diesel Range Organics (Over C10-C28)			1000	953.2		mg/Kg		95	70 - 130	10	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*116*		*70 - 130*
o-Terphenyl	*131*	*S1+*	*70 - 130*

Lab Sample ID: 890-8834-A-15-C MS
Matrix: Solid
Analysis Batch: 119578

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 119522

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	980.2		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	921.5		mg/Kg		92	70 - 130		

QC Sample Results

Client: Ensolum
Project/Site: PLU PC 33 Fed Battery

Job ID: 890-8836-1
SDG: 03C1558695

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

Lab Sample ID: 890-8834-A-15-C MS
Matrix: Solid
Analysis Batch: 119578

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 119522

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	125		70 - 130

Lab Sample ID: 890-8834-A-15-D MSD
Matrix: Solid
Analysis Batch: 119578

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 119522

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	1000	878.5		mg/Kg		88	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	818.1		mg/Kg		82	70 - 130	12	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	109		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-119626/1-A
Matrix: Solid
Analysis Batch: 119643

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			09/24/25 09:02	1

Lab Sample ID: LCS 880-119626/2-A
Matrix: Solid
Analysis Batch: 119643

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	244.9		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-119626/3-A
Matrix: Solid
Analysis Batch: 119643

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	246.4		mg/Kg		99	90 - 110	1	20

Lab Sample ID: 890-8836-6 MS
Matrix: Solid
Analysis Batch: 119643

Client Sample ID: SS31
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	144	F1	249	356.5	F1	mg/Kg		85	90 - 110		

QC Sample Results

Client: Ensolum
Project/Site: PLU PC 33 Fed Battery

Job ID: 890-8836-1
SDG: 03C1558695

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-8836-6 MSD
Matrix: Solid
Analysis Batch: 119643

Client Sample ID: SS31
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	144	F1	249	353.0	F1	mg/Kg		84	90 - 110	1	20

QC Association Summary

Client: Ensolum
Project/Site: PLU PC 33 Fed Battery

Job ID: 890-8836-1
SDG: 03C1558695

GC VOA

Analysis Batch: 119525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8836-1	SS25	Total/NA	Solid	8021B	119528
890-8836-2	SS26	Total/NA	Solid	8021B	119528
890-8836-3	SS28	Total/NA	Solid	8021B	119528
890-8836-4	SS29	Total/NA	Solid	8021B	119528
890-8836-5	SS30	Total/NA	Solid	8021B	119528
890-8836-6	SS31	Total/NA	Solid	8021B	119528
890-8836-7	SS32	Total/NA	Solid	8021B	119528
890-8836-8	SS33	Total/NA	Solid	8021B	119528
890-8836-9	SS35	Total/NA	Solid	8021B	119528
890-8836-10	SS27	Total/NA	Solid	8021B	119528
890-8836-11	SS34	Total/NA	Solid	8021B	119528
MB 880-119528/5-A	Method Blank	Total/NA	Solid	8021B	119528
LCS 880-119528/1-A	Lab Control Sample	Total/NA	Solid	8021B	119528
LCSD 880-119528/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	119528
890-8834-A-21-C MS	Matrix Spike	Total/NA	Solid	8021B	119528
890-8834-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	119528

Prep Batch: 119528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8836-1	SS25	Total/NA	Solid	5035	
890-8836-2	SS26	Total/NA	Solid	5035	
890-8836-3	SS28	Total/NA	Solid	5035	
890-8836-4	SS29	Total/NA	Solid	5035	
890-8836-5	SS30	Total/NA	Solid	5035	
890-8836-6	SS31	Total/NA	Solid	5035	
890-8836-7	SS32	Total/NA	Solid	5035	
890-8836-8	SS33	Total/NA	Solid	5035	
890-8836-9	SS35	Total/NA	Solid	5035	
890-8836-10	SS27	Total/NA	Solid	5035	
890-8836-11	SS34	Total/NA	Solid	5035	
MB 880-119528/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-119528/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-119528/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8834-A-21-C MS	Matrix Spike	Total/NA	Solid	5035	
890-8834-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 119624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8836-1	SS25	Total/NA	Solid	Total BTEX	
890-8836-2	SS26	Total/NA	Solid	Total BTEX	
890-8836-3	SS28	Total/NA	Solid	Total BTEX	
890-8836-4	SS29	Total/NA	Solid	Total BTEX	
890-8836-5	SS30	Total/NA	Solid	Total BTEX	
890-8836-6	SS31	Total/NA	Solid	Total BTEX	
890-8836-7	SS32	Total/NA	Solid	Total BTEX	
890-8836-8	SS33	Total/NA	Solid	Total BTEX	
890-8836-9	SS35	Total/NA	Solid	Total BTEX	
890-8836-10	SS27	Total/NA	Solid	Total BTEX	
890-8836-11	SS34	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Ensolum
Project/Site: PLU PC 33 Fed Battery

Job ID: 890-8836-1
SDG: 03C1558695

GC Semi VOA

Prep Batch: 119521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8836-1	SS25	Total/NA	Solid	8015NM Prep	
890-8836-2	SS26	Total/NA	Solid	8015NM Prep	
890-8836-3	SS28	Total/NA	Solid	8015NM Prep	
890-8836-4	SS29	Total/NA	Solid	8015NM Prep	
890-8836-5	SS30	Total/NA	Solid	8015NM Prep	
MB 880-119521/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-119521/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-119521/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8834-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-8834-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 119522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8836-6	SS31	Total/NA	Solid	8015NM Prep	
890-8836-7	SS32	Total/NA	Solid	8015NM Prep	
890-8836-8	SS33	Total/NA	Solid	8015NM Prep	
890-8836-9	SS35	Total/NA	Solid	8015NM Prep	
890-8836-10	SS27	Total/NA	Solid	8015NM Prep	
890-8836-11	SS34	Total/NA	Solid	8015NM Prep	
MB 880-119522/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-119522/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-119522/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8834-A-15-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-8834-A-15-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 119576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8836-1	SS25	Total/NA	Solid	8015B NM	119521
890-8836-2	SS26	Total/NA	Solid	8015B NM	119521
890-8836-3	SS28	Total/NA	Solid	8015B NM	119521
890-8836-4	SS29	Total/NA	Solid	8015B NM	119521
890-8836-5	SS30	Total/NA	Solid	8015B NM	119521
MB 880-119521/1-A	Method Blank	Total/NA	Solid	8015B NM	119521
LCS 880-119521/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	119521
LCSD 880-119521/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	119521
890-8834-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	119521
890-8834-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	119521

Analysis Batch: 119578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8836-6	SS31	Total/NA	Solid	8015B NM	119522
890-8836-7	SS32	Total/NA	Solid	8015B NM	119522
890-8836-8	SS33	Total/NA	Solid	8015B NM	119522
890-8836-9	SS35	Total/NA	Solid	8015B NM	119522
890-8836-10	SS27	Total/NA	Solid	8015B NM	119522
890-8836-11	SS34	Total/NA	Solid	8015B NM	119522
MB 880-119522/1-A	Method Blank	Total/NA	Solid	8015B NM	119522
LCS 880-119522/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	119522
LCSD 880-119522/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	119522
890-8834-A-15-C MS	Matrix Spike	Total/NA	Solid	8015B NM	119522
890-8834-A-15-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	119522

QC Association Summary

Client: Ensolum
Project/Site: PLU PC 33 Fed Battery

Job ID: 890-8836-1
SDG: 03C1558695

GC Semi VOA

Analysis Batch: 119640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8836-1	SS25	Total/NA	Solid	8015 NM	
890-8836-2	SS26	Total/NA	Solid	8015 NM	
890-8836-3	SS28	Total/NA	Solid	8015 NM	
890-8836-4	SS29	Total/NA	Solid	8015 NM	
890-8836-5	SS30	Total/NA	Solid	8015 NM	
890-8836-6	SS31	Total/NA	Solid	8015 NM	
890-8836-7	SS32	Total/NA	Solid	8015 NM	
890-8836-8	SS33	Total/NA	Solid	8015 NM	
890-8836-9	SS35	Total/NA	Solid	8015 NM	
890-8836-10	SS27	Total/NA	Solid	8015 NM	
890-8836-11	SS34	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 119626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8836-1	SS25	Soluble	Solid	DI Leach	
890-8836-2	SS26	Soluble	Solid	DI Leach	
890-8836-3	SS28	Soluble	Solid	DI Leach	
890-8836-4	SS29	Soluble	Solid	DI Leach	
890-8836-5	SS30	Soluble	Solid	DI Leach	
890-8836-6	SS31	Soluble	Solid	DI Leach	
890-8836-7	SS32	Soluble	Solid	DI Leach	
890-8836-8	SS33	Soluble	Solid	DI Leach	
890-8836-9	SS35	Soluble	Solid	DI Leach	
890-8836-10	SS27	Soluble	Solid	DI Leach	
890-8836-11	SS34	Soluble	Solid	DI Leach	
MB 880-119626/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-119626/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-119626/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8836-6 MS	SS31	Soluble	Solid	DI Leach	
890-8836-6 MSD	SS31	Soluble	Solid	DI Leach	

Analysis Batch: 119643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8836-1	SS25	Soluble	Solid	300.0	119626
890-8836-2	SS26	Soluble	Solid	300.0	119626
890-8836-3	SS28	Soluble	Solid	300.0	119626
890-8836-4	SS29	Soluble	Solid	300.0	119626
890-8836-5	SS30	Soluble	Solid	300.0	119626
890-8836-6	SS31	Soluble	Solid	300.0	119626
890-8836-7	SS32	Soluble	Solid	300.0	119626
890-8836-8	SS33	Soluble	Solid	300.0	119626
890-8836-9	SS35	Soluble	Solid	300.0	119626
890-8836-10	SS27	Soluble	Solid	300.0	119626
890-8836-11	SS34	Soluble	Solid	300.0	119626
MB 880-119626/1-A	Method Blank	Soluble	Solid	300.0	119626
LCS 880-119626/2-A	Lab Control Sample	Soluble	Solid	300.0	119626
LCSD 880-119626/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	119626
890-8836-6 MS	SS31	Soluble	Solid	300.0	119626
890-8836-6 MSD	SS31	Soluble	Solid	300.0	119626

Lab Chronicle

Client: Ensolum
Project/Site: PLU PC 33 Fed Battery

Job ID: 890-8836-1
SDG: 03C1558695

Client Sample ID: SS25
Date Collected: 09/22/25 09:52
Date Received: 09/22/25 16:11

Lab Sample ID: 890-8836-1
Matrix: Solid

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	119528	09/23/25 08:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119525	09/23/25 14:08	EL	EET MID
Total/NA	Analysis	Total BTEX		1			119624	09/23/25 14:08	SA	EET MID
Total/NA	Analysis	8015 NM		1			119640	09/23/25 17:55	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	119521	09/23/25 07:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119576	09/23/25 17:55	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	119626	09/24/25 07:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	119643	09/24/25 10:44	CS	EET MID

Client Sample ID: SS26
Date Collected: 09/22/25 09:54
Date Received: 09/22/25 16:11

Lab Sample ID: 890-8836-2
Matrix: Solid

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	119528	09/23/25 08:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119525	09/23/25 16:24	EL	EET MID
Total/NA	Analysis	Total BTEX		1			119624	09/23/25 16:24	SA	EET MID
Total/NA	Analysis	8015 NM		1			119640	09/23/25 18:10	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119521	09/23/25 07:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119576	09/23/25 18:10	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	119626	09/24/25 07:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	119643	09/24/25 10:49	CS	EET MID

Client Sample ID: SS28
Date Collected: 09/22/25 10:50
Date Received: 09/22/25 16:11

Lab Sample ID: 890-8836-3
Matrix: Solid

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	119528	09/23/25 08:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119525	09/23/25 16:44	EL	EET MID
Total/NA	Analysis	Total BTEX		1			119624	09/23/25 16:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			119640	09/23/25 18:25	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	119521	09/23/25 07:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119576	09/23/25 18:25	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	119626	09/24/25 07:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	119643	09/24/25 10:54	CS	EET MID

Client Sample ID: SS29
Date Collected: 09/22/25 10:52
Date Received: 09/22/25 16:11

Lab Sample ID: 890-8836-4
Matrix: Solid

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	119528	09/23/25 08:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119525	09/23/25 17:04	EL	EET MID
Total/NA	Analysis	Total BTEX		1			119624	09/23/25 17:04	SA	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: PLU PC 33 Fed Battery

Job ID: 890-8836-1
SDG: 03C1558695

Client Sample ID: SS29
Date Collected: 09/22/25 10:52
Date Received: 09/22/25 16:11

Lab Sample ID: 890-8836-4
Matrix: Solid

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			119640	09/23/25 18:40	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119521	09/23/25 07:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119576	09/23/25 18:40	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	119626	09/24/25 07:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	119643	09/24/25 10:59	CS	EET MID

Client Sample ID: SS30
Date Collected: 09/22/25 10:55
Date Received: 09/22/25 16:11

Lab Sample ID: 890-8836-5
Matrix: Solid

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	119528	09/23/25 08:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119525	09/23/25 17:25	EL	EET MID
Total/NA	Analysis	Total BTEX		1			119624	09/23/25 17:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			119640	09/23/25 18:55	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	119521	09/23/25 07:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119576	09/23/25 18:55	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	119626	09/24/25 07:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	119643	09/24/25 11:05	CS	EET MID

Client Sample ID: SS31
Date Collected: 09/22/25 09:36
Date Received: 09/22/25 16:11

Lab Sample ID: 890-8836-6
Matrix: Solid

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	119528	09/23/25 08:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119525	09/23/25 17:45	EL	EET MID
Total/NA	Analysis	Total BTEX		1			119624	09/23/25 17:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			119640	09/23/25 17:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	119522	09/23/25 07:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119578	09/23/25 17:39	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	119626	09/24/25 07:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	119643	09/24/25 11:10	CS	EET MID

Client Sample ID: SS32
Date Collected: 09/22/25 09:42
Date Received: 09/22/25 16:11

Lab Sample ID: 890-8836-7
Matrix: Solid

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	119528	09/23/25 08:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119525	09/23/25 18:06	EL	EET MID
Total/NA	Analysis	Total BTEX		1			119624	09/23/25 18:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			119640	09/23/25 17:55	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119522	09/23/25 07:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119578	09/23/25 17:55	FC	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: PLU PC 33 Fed Battery

Job ID: 890-8836-1
SDG: 03C1558695

Client Sample ID: SS32
Date Collected: 09/22/25 09:42
Date Received: 09/22/25 16:11

Lab Sample ID: 890-8836-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	119626	09/24/25 07:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	119643	09/24/25 11:26	CS	EET MID

Client Sample ID: SS33
Date Collected: 09/22/25 09:47
Date Received: 09/22/25 16:11

Lab Sample ID: 890-8836-8
Matrix: Solid

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	119528	09/23/25 08:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119525	09/23/25 18:26	EL	EET MID
Total/NA	Analysis	Total BTEX		1			119624	09/23/25 18:26	SA	EET MID
Total/NA	Analysis	8015 NM		1			119640	09/23/25 18:10	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119522	09/23/25 07:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119578	09/23/25 18:10	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	119626	09/24/25 07:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	119643	09/24/25 11:31	CS	EET MID

Client Sample ID: SS35
Date Collected: 09/22/25 12:02
Date Received: 09/22/25 16:11

Lab Sample ID: 890-8836-9
Matrix: Solid

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	119528	09/23/25 08:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119525	09/23/25 18:47	EL	EET MID
Total/NA	Analysis	Total BTEX		1			119624	09/23/25 18:47	SA	EET MID
Total/NA	Analysis	8015 NM		1			119640	09/23/25 18:25	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	119522	09/23/25 07:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119578	09/23/25 18:25	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	119626	09/24/25 07:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	119643	09/24/25 11:47	CS	EET MID

Client Sample ID: SS27
Date Collected: 09/22/25 10:47
Date Received: 09/22/25 16:11

Lab Sample ID: 890-8836-10
Matrix: Solid

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	119528	09/23/25 08:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119525	09/23/25 19:07	EL	EET MID
Total/NA	Analysis	Total BTEX		1			119624	09/23/25 19:07	SA	EET MID
Total/NA	Analysis	8015 NM		1			119640	09/23/25 18:40	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119522	09/23/25 07:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119578	09/23/25 18:40	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	119626	09/24/25 07:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	119643	09/24/25 11:52	CS	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: PLU PC 33 Fed Battery

Job ID: 890-8836-1
SDG: 03C1558695

Client Sample ID: SS34

Date Collected: 09/22/25 12:52
Date Received: 09/22/25 16:11

Lab Sample ID: 890-8836-11

Matrix: Solid

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	119528	09/23/25 08:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119525	09/23/25 19:27	EL	EET MID
Total/NA	Analysis	Total BTEX		1			119624	09/23/25 19:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			119640	09/23/25 18:55	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	119522	09/23/25 07:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119578	09/23/25 18:55	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	119626	09/24/25 07:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	119643	09/24/25 11:57	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 PC 33 Fed Battery

Job ID: 890-8836-1
SDG: 03C1558695

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

Method Summary

Client: Ensolum
Project/Site: PLU PC 33 Fed Battery

Job ID: 890-8836-1
SDG: 03C1558695

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 PC 33 Fed Battery

Job ID: 890-8836-1
SDG: 03C1558695

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8836-1	SS25	Solid	09/22/25 09:52	09/22/25 16:11	Surface
890-8836-2	SS26	Solid	09/22/25 09:54	09/22/25 16:11	Surface
890-8836-3	SS28	Solid	09/22/25 10:50	09/22/25 16:11	Surface
890-8836-4	SS29	Solid	09/22/25 10:52	09/22/25 16:11	Surface
890-8836-5	SS30	Solid	09/22/25 10:55	09/22/25 16:11	Surface
890-8836-6	SS31	Solid	09/22/25 09:36	09/22/25 16:11	Surface
890-8836-7	SS32	Solid	09/22/25 09:42	09/22/25 16:11	Surface
890-8836-8	SS33	Solid	09/22/25 09:47	09/22/25 16:11	Surface
890-8836-9	SS35	Solid	09/22/25 12:02	09/22/25 16:11	Surface
890-8836-10	SS27	Solid	09/22/25 10:47	09/22/25 16:11	Surface
890-8836-11	SS34	Solid	09/22/25 12:52	09/22/25 16:11	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

890-8836 Chain of Custody

www.xenco.com Page 1 of 2

Project Manager:	Jeremy Reich	Bill to: (if different)	Colton Brown
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:	432-296-0627	Email:	Kthomason; Tmorrissey; Thillard; Jreich; Bbelill @ensolum.com

Work Order Comments

Program: UST/PST ☐ RP ☐ Brownfields ☐ RC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	PLU PC 33 Fed Battery	Turn Around	☐ Routine ☑ Rush
Project Number:	03C1558695	Due Date:	48hr
Project Location:	32.1682411, -103.8790659	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Evan roe		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	IR#007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.4
Total Containers:		Corrected Temperature:	3.2

ANALYSIS REQUEST

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2S0_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	CHLORIDES (EPA: 300.0)	TPH	BTEX	Sample Comments
SS25	Soil	9/22/2025	952	Surface	Grab	1	✓	✓	✓	Incident ID: nAPP2517131027
SS26	Soil	9/22/2025	954	Surface	Grab	1	✓	✓	✓	CC: 2124991001
SS28	Soil	9/22/2025	1050	Surface	Grab	1	✓	✓	✓	GFCM: 48605000
SS29	Soil	9/22/2025	1052	Surface	Grab	1	✓	✓	✓	
SS30	Soil	9/22/2025	1055	Surface	Grab	1	✓	✓	✓	
SS31	Soil	9/22/2025	936	Surface	Grab	1	✓	✓	✓	
SS32	Soil	9/22/2025	942	Surface	Grab	1	✓	✓	✓	
SS33	Soil	9/22/2025	947	Surface	Grab	1	✓	✓	✓	
SS35	Soil	9/22/2025	1202	Surface	Grab	1	✓	✓	✓	

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 SiO_2 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 Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		9/22 16:1	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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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

Work Order No: E90-8836

www.xenco.com Page 2 of 2

Project Manager:	Jeremy Reich	Bill to: (if different)	Colton Brown
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:	432-296-0627	Email:	Kthomason; Tmorrissey; Thillard; Jreich; Bbelill @ensolum.com

Work Order Comments

Program: UST/PST ☐ RP ☐ Brownfields ☐ RC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	PLU PC 33 Fed Battery	Turn Around	☐ Routine ☑ Rush
Project Number:	03C1558695	Due Date:	48hr
Project Location:	32.1682411, -103.8790659	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Evan roe		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	TVmac	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.4	
Total Containers:		Corrected Temperature:	3.2	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	CHLORIDES (EPA: 300.0)	TPH	BTEX	Sample Comments
SS27	Soil	9/22/2025	1047	Surface	Grab	1	✓	✓	✓	Incident ID: nAPP2517131027
SS34	Soil	9/22/2025	1252	Surface	Grab	1	✓	✓	✓	CC: 2124991001
										GFCM: 48605000

Pres. Code / Parameters / ANALYSIS REQUEST

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

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 SiO_2 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 Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Kramer, Jessica	Carrier Tracking No(s): N/A	COC No: 890-5908.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Jessica.Kramer@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-8836-1
Address: 1211 W. Florida Ave,	Due Date Requested: 9/24/2025	Analysis Requested		Preservation Codes:
City: Midland	TAT Requested (days): N/A			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: PLU PC 33 Fed Battery	Project #: 89000110			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_Prep(MOD) Full TPH	8015MOD_Calc	300_ORGFM_28D/DI_LEACH Chloride	8021B/5035FP_Calc(MOD) BTEX	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
SS25 (890-8836-1)	9/22/25	09:52 Mountain	G	Solid			X	X	X	X	X	1	
SS26 (890-8836-2)	9/22/25	09:54 Mountain	G	Solid			X	X	X	X	X	1	
SS28 (890-8836-3)	9/22/25	10:50 Mountain	G	Solid			X	X	X	X	X	1	
SS29 (890-8836-4)	9/22/25	10:52 Mountain	G	Solid			X	X	X	X	X	1	
SS30 (890-8836-5)	9/22/25	10:55 Mountain	G	Solid			X	X	X	X	X	1	
SS31 (890-8836-6)	9/22/25	09:36 Mountain	G	Solid			X	X	X	X	X	1	
SS32 (890-8836-7)	9/22/25	09:42 Mountain	G	Solid			X	X	X	X	X	1	
SS33 (890-8836-8)	9/22/25	09:47 Mountain	G	Solid			X	X	X	X	X	1	
SS35 (890-8836-9)	9/22/25	12:02 Mountain	G	Solid			X	X	X	X	X	1	

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	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ 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:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 9/22 1630	Company	Received by:	Date/Time: 9/23/25 0800	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∧ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.6/3.7 FR-8

Ver: 10/10/2024

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Kramer, Jessica	Carrier Tracking No(s): N/A	COC No: 890-5908.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Jessica.Kramer@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 2 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-8836-1
Address: 1211 W. Florida Ave.	Due Date Requested: 8/24/2025	Analysis Requested		Preservation Codes: -
City: Midland	TAT Requested (days): N/A			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: PLU PC 33 Fed Battery	Project #: 89000110			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_Prep(MOD) Full TPH	8015MOD_Calc	300_ORGFM_28D/DI_LEACHChloride	8021B/5035FP_Calc(MOD) BTEX	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
SS27 (890-8836-10)	9/22/25	10:47 Mountain	G	Solid			X	X	X	X	X	1	
SS34 (890-8836-11)	9/22/25	12:52 Mountain	G	Solid			X	X	X	X	X	1	

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *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:	Date:		Time:	Method of Shipment:	
Relinquished by: [signature]	Date/Time: 9/22 1630	Company	Received by: [signature]	Date/Time: 9/23/25 0800	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 3.4/3.7	IR-8	(-0.1)

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-8836-1
SDG Number: 03C1558695

Login Number: 8836
List Number: 1
Creator: Lee, Randall

List Source: Eurofins Carlsbad

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	

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-8836-1
SDG Number: 03C1558695

Login Number: 8836
List Number: 2
Creator: Lee, Randall

List Source: Eurofins Midland
List Creation: 09/23/25 08:10 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	

ENSOLUM

APPENDIX E

Spill Volume Calculation

Location:	PLU BS 25 FED Battery	
Spill Date:	11/24/2024	
Area 1		
Approximate Area =	2815.00	sq. ft.
Average Saturation (or depth) of spill =	1.00	inches
Average Porosity Factor =	0.25	
VOLUME OF LEAK		
Total Crude Oil =	18.00	bbls
Total Produced Water =		bbls
TOTAL VOLUME OF LEAK		
Total Crude Oil =	**18.00**	**bbls**
Total Produced Water =	**0.00**	**bbls**
TOTAL VOLUME RECOVERED		
Total Crude Oil =	**18.00**	**bbls**
Total Produced Water =		**bbls**

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 406258
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2433036088**
Incident Name	**NAPP2433036088 PLU BS 25 FED BATTERY @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	PLU BS 25 FED Battery
Date Release Discovered	11/24/2024
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure | Other (Specify) | Crude Oil | Released: 18 BBL | Recovered: 18 BBL | Lost: 0 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)	Leak at the heater treater to flare, all in full containment

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

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 406258
	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	*Unavailable.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

I hereby agree and sign off to the above statement	Name: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 11/25/2024

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

General Information
Phone: (505) 629-6116

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

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	5380
	Action Number: 406258
	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
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.	

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

General Information
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Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 406258
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	None	11/25/2024

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 533874
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2517131027**
Incident Name	**NAPP2517131027 PLU PC 33 FED BATTERY @ P-33-24S-30E**
Incident Type	**Fire**
Incident Status	**Remediation Closure Report Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	PLU PC 33 FED BATTERY
Date Release Discovered	06/18/2025
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Fire | Other (Specify) | Crude Oil | Released: 0 BBL | Recovered: 0 BBL | Lost: 0 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)	Oil came out the flare

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QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 533874
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

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

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QUESTIONS (continued)

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	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	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (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 ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	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
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.	
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)	256
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	65.9
GRO+DRO (EPA SW-846 Method 8015M)	65.9
BTEX (EPA SW-846 Method 8021B or 8260B)	0
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	07/31/2025
On what date will (or did) the final sampling or liner inspection occur	09/22/2025
On what date will (or was) the remediation complete(d)	09/22/2025
What is the estimated surface area (in square feet) that will be reclaimed	2537
What is the estimated volume (in cubic yards) that will be reclaimed	102
What is the estimated surface area (in square feet) that will be remediated	2537
What is the estimated volume (in cubic yards) that will be remediated	102
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 (continued)

Operator:	OGRID:
XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	5380
	Action Number: 533874
	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	fJEG1635837366 OWL LANDFILL JAL
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
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: 12/10/2025
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 (continued)

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QUESTIONS

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

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QUESTIONS (continued)

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

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**497614**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**08/28/2025**
What was the (estimated) number of samples that were to be gathered	**10**
What was the sampling surface area in square feet	**817**

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	2537
What was the total volume (cubic yards) remediated	102
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	2537
What was the total volume (in cubic yards) reclaimed	102
Summarize any additional remediation activities not included by answers (above)	Site assessment, delineation and excavation activities were conducted to address the June 2025 flare fire and crude oil release. Laboratory analytical results for all final excavation floor and sidewall confirmation soil samples, collected from the excavation extents indicated that all COC concentrations were compliant with the Closure Criteria and reclamation requirements. Laboratory analytical results for composite soil samples composite soil samples SS01, SS05, SS07 through SS10, SS13, SS16, and SS18 through SS22, along with excavation sidewall samples SW01 through SW05, collected at depths ranging from ground surface to 2 feet bgs, indicated all COC concentrations were in compliance with Site Closure Criteria and reclamations standards, successfully defining the lateral extent of the release. Laboratory analytical results for delineation soil samples SS25 through SS35 indicated all COC concentrations were in compliance with Site Closure Criteria and reclamation standards, successfully adding additional definition of the lateral extent of the release. Based on the soil sample analytical results, no further remediation was required. The excavation was backfilled with material purchased locally and the Site recontoured to match pre-existing Site conditions. XTO will submit a reclamation plan within 90 days of an approved closure request. Excavation of soil has mitigated impacts at this Site. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number nAPP2517131027.
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: 12/10/2025

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QUESTIONS (continued)

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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 533874
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Remediation closure is approved.	12/12/2025
michael.buchanan	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	12/12/2025
michael.buchanan	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	12/12/2025
michael.buchanan	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	12/12/2025
michael.buchanan	A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	12/12/2025
michael.buchanan	Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	12/12/2025