



October 23, 2025

New Mexico Oil Conservation Division

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

**Re: Deferral Request
Poker Lake Unit 342 Battery
Incident Numbers nAPP2511078349, nAPP2511826645, & nAPP2519653683
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared this *Deferral Request* to document site assessment, delineation, and soil sampling activities at the Poker Lake Unit 342 Battery (Site). The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following multiple produced water and crude oil releases within a lined active tank battery containment. Based on field observations and soil sample laboratory analytical results, XTO is submitting this *Deferral Request*, describing Site assessment and delineation activities that have occurred and requesting deferral of final remediation for Incident Numbers nAPP2511078349, nAPP2511826645, & nAPP2519653683 until the Site and/or containment is reconstructed, and/or the well pad is abandoned.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit E, Section 23, Township 24 South, Range 30 East in Eddy County, New Mexico (32.20661°, -103.85862°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On April 19, 2025, failure of a produced water pump resulted in the release of 110 barrels (bbls) of crude oil into the lined, active tank battery containment. A vacuum truck was dispatched to the Site to recover free-standing fluid, and all released fluids were recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Notification of Release (NOR) on April 20, 2025 and subsequently submitted an Initial C-141 Application (C-141) on April 21, 2025. The release was assigned Incident Number nAPP2511078349.

On April 25, 2025, overflow of a tank resulted in the release of 190 bbls of produced water into the same lined, active tank battery containment. A vacuum truck was dispatched to the Site to recover free-standing fluid, and all released fluids were recovered. XTO reported the release to the NMOCD on a NOR on April 28, 2025, and subsequently submitted a C-141 on July 23, 2025. The release was assigned Incident Number nAPP2511826645.

On July 12, 2025, human error resulted in the release of 9 bbls of crude oil into the same lined, active tank battery containment. A vacuum truck was dispatched to the Site to recover free-standing fluid, and all released fluids were recovered. XTO reported the release to the NMOCD on a NOR on July 15, 2025.

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and subsequently submitted a C-141 on July 16, 2025. The release was assigned Incident Number nAPP2519653683.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

Depth to groundwater at the Site is greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is a New Mexico Office of the State Engineer (NMOSE) permitted well (C-4911), located approximately 0.41 miles northwest of the Site. The soil boring was advanced on January 16, 2025, to a total depth of 105 feet bgs with no groundwater encountered. All wells used for depth to groundwater determination are depicted on Figure 1 and the referenced well record is included in Appendix A.

The closest continuously flowing or significant watercourse is a dry wash located 1,615 feet southwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area).

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

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

LINER INTEGRITY INSPECTION ACTIVITIES

After a review of the C-141, internal documents, and initial release photographs, it was confirmed the releases occurred within the same active, lined tank battery containment including active production and process equipment. On June 5, 2025, Ensolum personnel visited the Site to conduct an initial Site assessment. The lined containment was found to contain a tear in the floor and the liner coating was peeling along the steel walls in multiple areas. As such, delineation soil sampling activities were warranted.

DELINEATION SOIL SAMPLING ACTIVITIES

Between July 17 and August 1, 2025, Ensolum personnel were at the Site to conduct delineation activities. One borehole, BH01, was advanced via hand auger and core drill to a depth of 4 feet bgs in the location of the tear in the floor of the liner. Discrete delineation soil samples were collected from the borehole at depths ranging from 0.5 feet to 4 feet bgs. Four delineation boreholes, SS01 through SS04, were advanced via core drill around the lined containment to confirm the release remained within the

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lined containment walls. Locations of the lateral delineation boreholes were chosen to coincide with areas of peeling liner along the steel containment walls, as much as possible, as well as cover all four cardinal directions around the containment. The delineation boreholes were advanced to core drill refusal or 4 feet bgs, whichever occurred first. The delineation soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing Hach® chloride QuanTab® test strips. Following delineation activities, the lined containment was restored utilizing a spray-on non-invasive impermeable coating allowing restoration of spill control without requiring major deconstruction. Field screening results and observations of the soil samples collected from the boreholes were logged on a lithologic soil sampling log, which is included in Appendix B. The delineation soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation is included in Appendix C.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the Site location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico or Eurofins Laboratory (Eurofins) in Carlsbad, New Mexico, for analysis of the following contaminants of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standard Method SM4500 or EPA Method 300.0.

On October 16, 2025, XTO submitted a variance request of the 48-hour sampling notification (C-141N) requirement to the NMOCD for Incident Numbers nAPP2511826645 and nAPP2519653683. The April 25, 2025 and July 12, 2025 releases were not identified for the need for remedial activities due to internal administrative oversight until after remedial activities had been completed for the April 19, 2025 release.

LABORATORY ANALYTICAL RESULTS

Delineation soil samples, SS01 through SS04, collected from depths ranging from 0.5 feet bgs to a maximum depth of 4 feet bgs, indicated all COCs were in compliance with most stringent Table I Closure Criteria, successfully confirming the release did not breach the steel walls of the lined containment. Laboratory analytical results for delineation soil sample BH01, collected at a depth of 0.5 feet bgs, indicated BTEX, TPH-GRO/TPH-DRO, and TPH exceeded Site Closure Criteria. Laboratory analytical results for BH01A and BH01B, collected at depths of 3 feet and 4 feet bgs, respectively, indicated all COCs were in compliance with Site Closure Criteria, successfully defining the vertical extent of the release. Laboratory analytical results are summarized in Table 1 and the laboratory analytical reports are included in Appendix D.

DEFERRAL REQUEST

XTO is requesting deferral of final remediation due to the presence of active production equipment, pumps, produced water and crude oil tanks, and production flowlines located within the steel lined containment. The impacted soil is limited to the area directly below the containment liner and active production equipment within the lined containment, where remediation would require a major facility deconstruction and multiple weeks of facility shut down due to absence of spill control measures. The impacted soil remaining in place is delineated vertically by delineation soil sample BH01A, collected at 3 feet bgs. Analytical results for delineation soil samples SS01 through SS04 collected outside the lined containment indicated COC concentrations below the most stringent Table I Closure Criteria, confirming the release was laterally contained by the containment walls. A maximum of 594 cubic yards of impacted soil remains in place assuming a maximum lateral extent of 5,342 square feet, which is the footprint of the lined containment area. The extent of impacted soil is expected to be significantly lower as the remainder of the liner along the floor of the containment was operating as designed.

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XTO does not believe deferment will result in imminent risk to human health, the environment, or groundwater. Depth to groundwater was determined to be greater than 100 feet bgs and the impacted soil remaining in place is limited in aerial and vertical extent. The lined containment, following restoration utilizing a spray-on non-invasive impermeable coating provides spill control without requiring major deconstruction and effectively minimizes additional impact migration by preventing the infiltration and movement of rainwater influences.

Based on the presence of active production equipment and a lined containment and the complete lateral and vertical delineation of impacted soil remaining in place, XTO requests deferral of final remediation for Incident Numbers nAPP2511078349, nAPP2511826645, & nAPP2519653683 until final reclamation of the well pad or major construction, whichever comes first.

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

Sincerely,
Ensolum, LLC



Tracy Hillard
Project Engineer



Tacoma Morrissey
Associate Principal

cc: Robert Woodall, XTO
Richard Kotzur, XTO
BLM

Appendices:

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



FIGURES

Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Oil and Gas Utility Line
- Surface Line
- Water Utility Line
- Lined Containment/Area of Requested Deferral



SS01@0.5'
SS01@0.5'
SS01A@4'

BH01@0.5'
BH01A@3'
BH01B@4'

SS02@0.5'
SS02A@3'

SS04@0.5'
SS04A@3'

SS03@0.5'
SS03A@1'

Notes:
Sample ID @ Depth Below Ground/Surface.
Samples in bold indicate sample exceeded applicable Closure Criteria.

0 10 20 40
Feet

Sources: Environmental Systems Research Institute (ESRI)

Delineation Soil Sample Locations

XTO Energy, Inc.

Poker Lake Unit 342 Battery

Incident Numbers: nAPP2511078349, nAPP2519653683, nAPP2511826645

Unit E, Section 23, T 24S, R 30E

Eddy County, New Mexico

FIGURE

2





TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Poker Lake Unit 342 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	1,000	2,500	20,000
Delineation Soil Samples										
BH01	08/01/2025	0.5	0.362	65.9	1,890	9,330	405	11,220	11,625	15.9
BH01A	08/01/2025	3	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	3,060
BH01B	08/01/2025	4	<0.00200	<0.00399	<50.0	114	<50.0	114	114	3,670
SS01	07/17/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SS01	08/01/2025	0.5	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	205
SS01A	08/01/2025	4	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	237
SS02	07/17/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS02A	07/17/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SS03	07/17/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS03A	07/17/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS04	08/01/2025	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	224
SS04A	08/01/2025	3	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	102

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



APPENDIX A

Referenced Well Records



2904 W 2nd St.
Roswell, NM 88201
voice: 575.624.2420
fax: 575.624.2421
www.atkinseng.com

February 10, 2025

DII-NMOSE
1900 W 2nd Street
Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-4911 Pod-1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, C-4911 Pod-1.

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

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

Lucas Middleton

Enclosures: as noted above

FILED
20 FEB 20 2025



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 (TW-1)		WELL TAG ID NO. N/A		OSE FILE NO(S). C-4911			
	WELL OWNER NAME(S) XTO Energy, Inc.				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 3104 E. Greene St.				CITY Carlsbad	STATE NM	ZIP 88220	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 12	SECONDS 32.23 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
		LONGITUDE 103	51	54.46 W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NE NW NE Sec. 22, T 24S R30E								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 01/16/2025	DRILLING ENDED 01/16/2025	DEPTH OF COMPLETED WELL (FT) Temporary Well Material		BORE HOLE DEPTH (FT) ±105	DEPTH WATER FIRST ENCOUNTERED (FT) N/A		
	COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☒ DRY HOLE ☐ SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 1/16/25, 1/24/25		
	DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☒ OTHER - SPECIFY: Hollow Stem Auger					CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐		
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	104	±6.25	Soil Boring	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				N/A				

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	104	104	Sand, fine-grained, poorly-graded, unconsolidated, Reddish Brown	Y ☒ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
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					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm):	
☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER - SPECIFY:						
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 material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. PLU 22 DTD CVB					
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt					
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:  Jackie D. Atkins Jack Atkins (Feb 10, 2025 10:06 MST) 02/10/2025 SIGNATURE OF DRILLER / PRINT SIGNEE NAME DATE					

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2

 USE OIL RIG WELL LOG
 10 FEB '25 PM 1:43



PLUGGING RECORD



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

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: C-4911 POD-1

Well owner: XTO Energy, Inc.

Phone No.: _____

Mailing address: 3104 E. Greene St.

City: Carlsbad State: New Mexico Zip code: 88220

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Jackie D. Atkins (Atkins Engineering Associates Inc.)
- 2) New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/25
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Lucas Middleton
- 4) Date well plugging began: 01/24/2024 Date well plugging concluded: 01/24/2024
- 5) GPS Well Location: Latitude: 32 deg, 12 min, 32.23 sec
Longitude: 103 deg, 51 min, 54.46 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 104 ft below ground level (bgl),
by the following manner: water level probe
- 7) Static water level measured at initiation of plugging: n/a ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 11/5/2025
- 9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

OSE DTM RUSSELL M.
10 FEB '25 PM 3:43

- 10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
0-10'	Hydrated Bentonite	Approx. 15 gallons	15 gallons	Boring	
10'-104'	Drill Cuttings	Approx. 150 gallons	150 gallons	Boring	

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

III. SIGNATURE:

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


Jackie Atkins (Feb 10, 2025 10:06 MST)

Signature of Well Driller

02/10/2025

Date

C-4911-WR-20 Well Record and Log-packet-for sign-PLU 22 DTD CVB

Final Audit Report

2025-02-10

Created:	2025-02-10
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAV7CZPFqKvAvffT7-gD4dnblVV-wqNZb

"C-4911-WR-20 Well Record and Log-packet-forsign-PLU 22 DT D CVB" History



Document created by Lucas Middleton (lucas@atkinseng.com)

2025-02-10 - 4:55:10 PM GMT



Document emailed to Jack Atkins (jack@atkinseng.com) for signature

2025-02-10 - 4:57:47 PM GMT



Email viewed by Jack Atkins (jack@atkinseng.com)

2025-02-10 - 5:01:16 PM GMT



Document e-signed by Jack Atkins (jack@atkinseng.com)

Signature Date: 2025-02-10 - 5:06:00 PM GMT - Time Source: server



Agreement completed.

2025-02-10 - 5:06:00 PM GMT

USE DII FOR ALL
10 FEB '25 9:14G



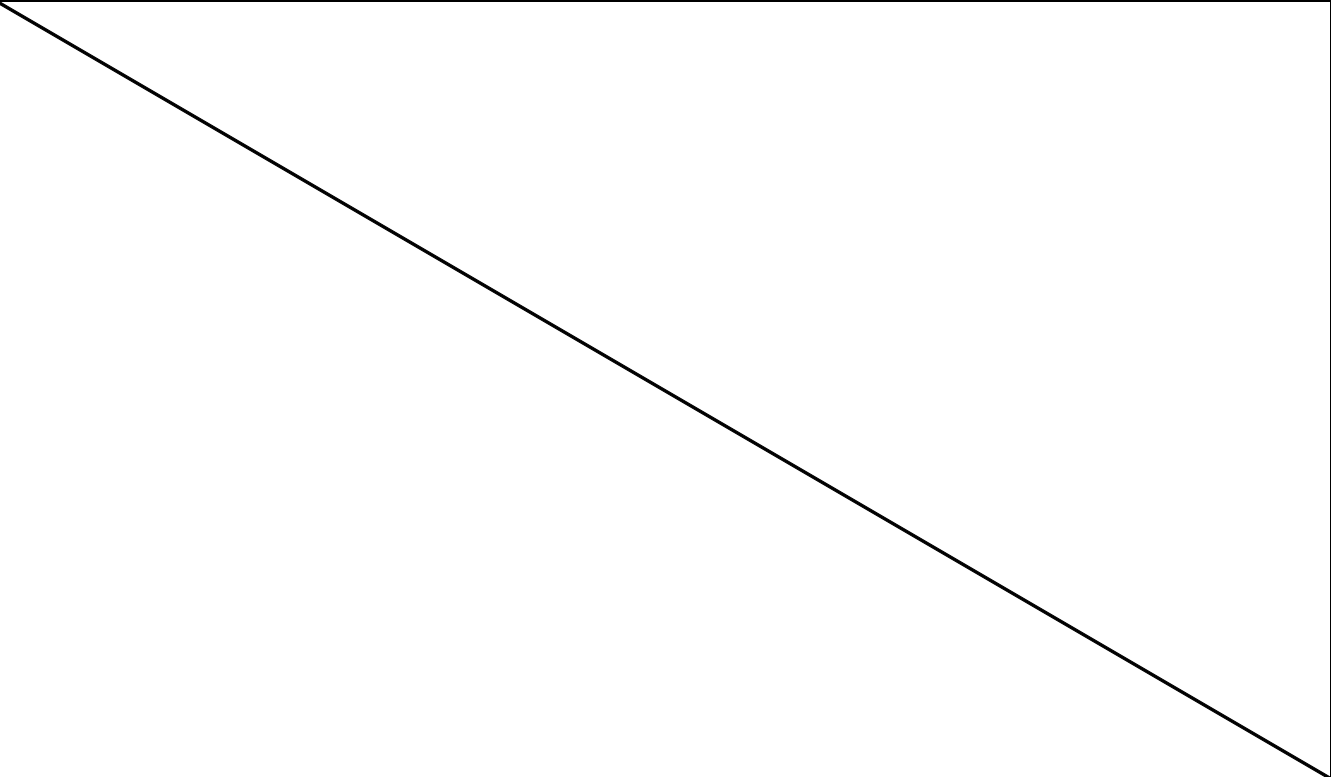
Adobe Acrobat Sign

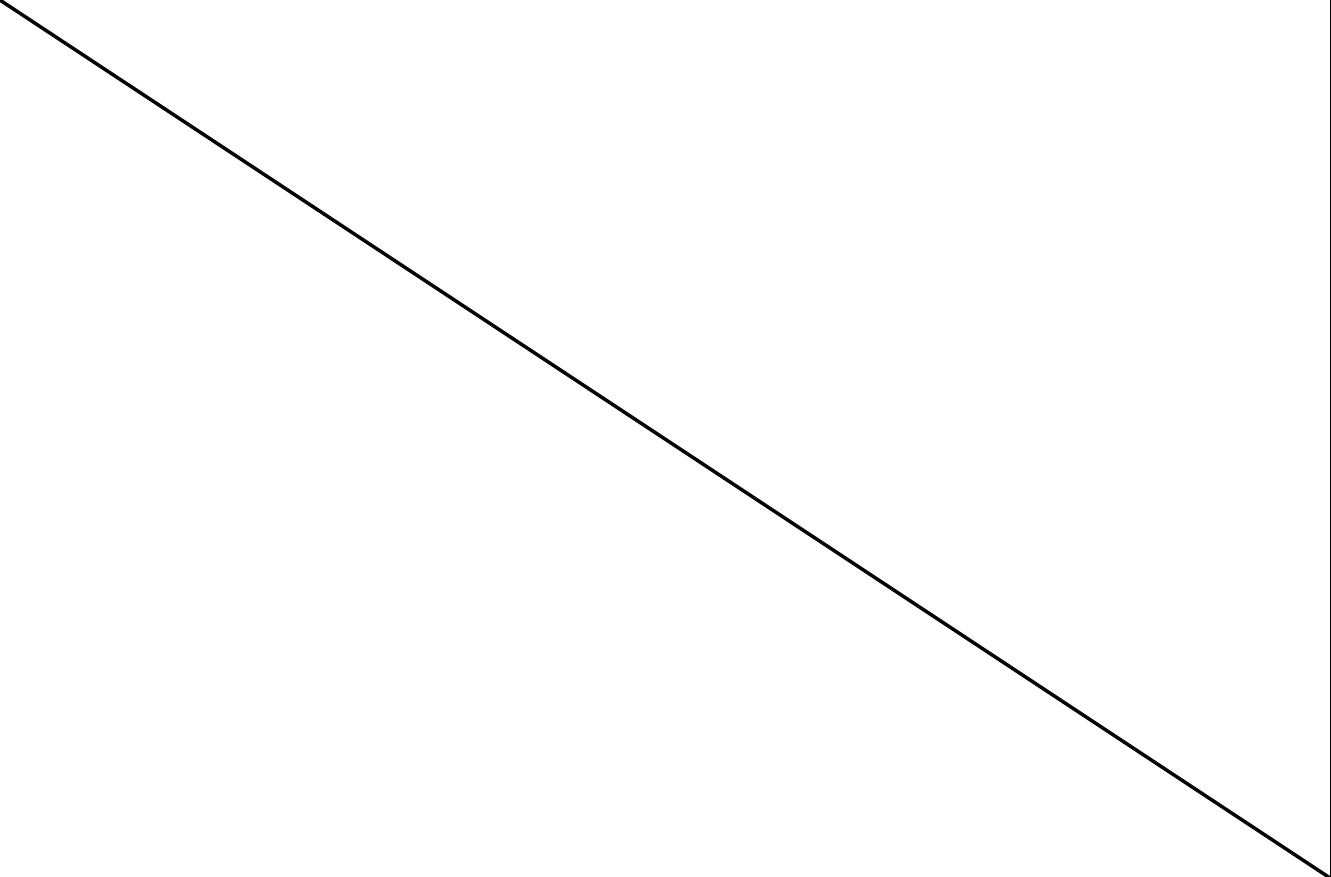


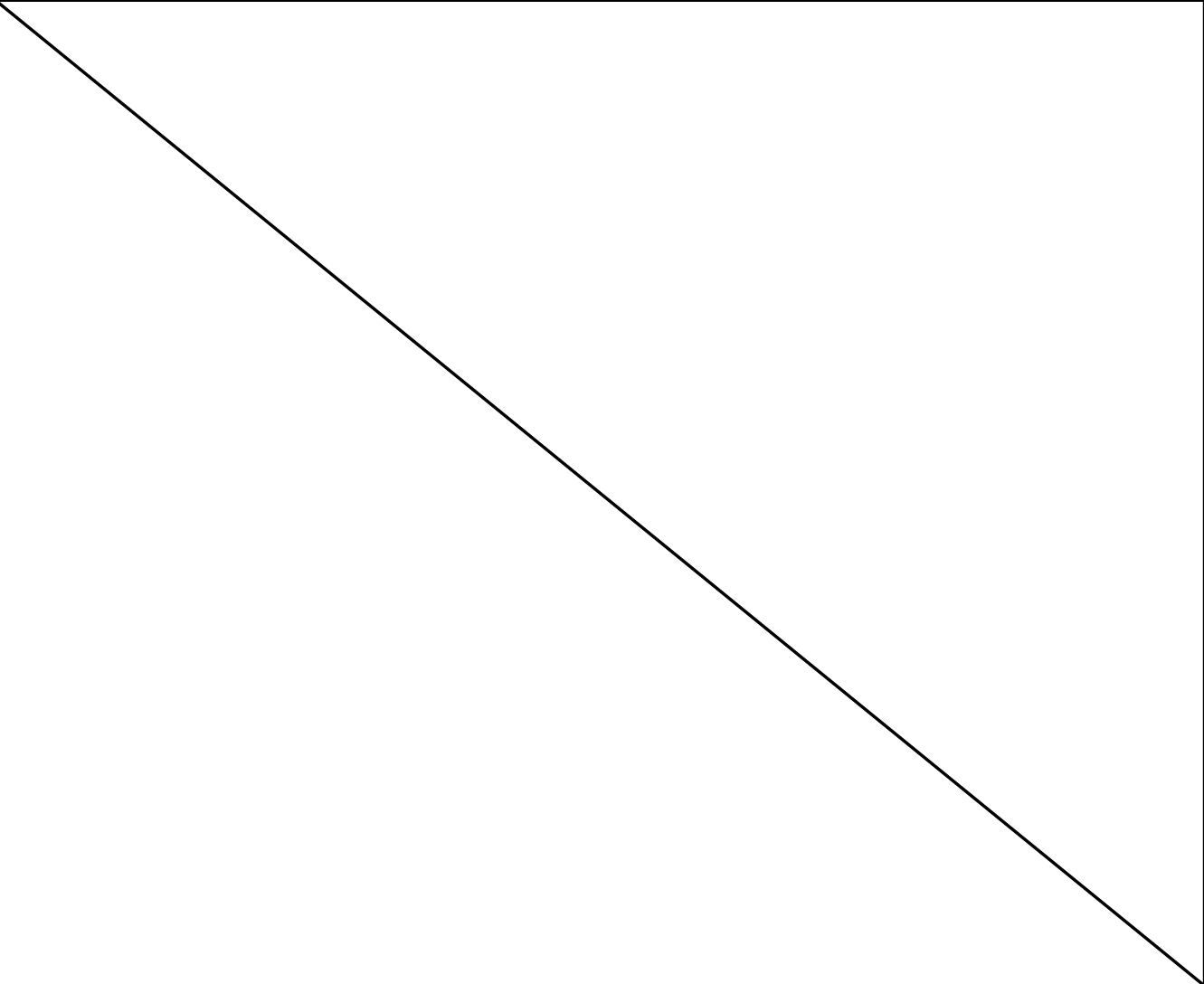
APPENDIX B

Lithologic Soil Sampling Logs

 ENSOLUM		Sample Name: BH01		Date: 8/1/2025				
		Site Name: Poker Lake Unit 342 Battery						
		Incident: nAPP2511078349, nAPP2511826645, & nAPP2519653683						
		Job Number: 03C1558664						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.206750, -103.858786			Logged By: CW		Method: Core Drill			
			Hole Diameter: 2"		Total Depth: 4 feet			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% chloride correction factor is included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0	CCHE	(0-3') CALICHE, tan, poorly graded
Drv	<168	2,629	Y	BH01	0.5	1		(@1') some clay, brown, low plasticity
Drv	<168	640	N		1	2		
Drv	576	70.1	N		2	3		
Drv	4,080	1.6	N	BH01A	3	4	CL	(3-4') CLAY, gray, low plasticity
Drv	2,861	0.0	N	BH01B	4		CCHE	(4') CALICHE, tan, fine grained, with silt
Total Depth @ 4 feet bgs								

 ENSOLUM		Sample Name: SS01		Date: 8/1/2025				
		Site Name: Poker Lake Unit 342 Battery						
		Incident: nAPP2511078349, nAPP2511826645, & nAPP2519653683						
		Job Number: 03C1558664						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.206767, -103.858791			Logged By: CW		Method: Core Drill			
			Hole Diameter: 2"		Total Depth: 4 feet			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% chloride correction factor is included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0	CCHE	(0-3') CALICHE, tan, poorly graded
Dry	<168	0.0	N	SS01	0.5	1		(@1') some clay, brown, low plasticity
Dry	<168	0.0	N		1	2		
Dry	<168	0.0	N		2	3		
Dry	<168	0.0	N		3	4	CL	(3-4') CLAY, gray, low plasticity
Dry	<168	0.0	N	SS01A	4	4		
Total Depth @ 4 feet bgs								
								

								Sample Name: SS02		Date: 8/1/2025	
								Site Name: Poker Lake Unit 342 Battery			
								Incident: nAPP2511078349, nAPP2511826645, & nAPP2519653683			
								Job Number: 03C1558664			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: MS		Method: Core Drill	
Coordinates: 32.206750, -103.858589								Hole Diameter: 2"		Total Depth: 3 feet	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% chloride correction factor is included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
						0	CCHE	(0-3') CALICHE, tan, poorly graded			
Drv	<168	0.6	N	SS02	0.5	1		(@1') some clay, brown, low plasticity			
Drv	<168	0.4	N		1	1					
Drv	<168	0.7	N		2	2					
Drv	<168	1.4	N	SS02A	3	3	CL	(3') CLAY, gray, low plasticity			
Total Depth @ 3 feet bgs											
											

 ENSOLUM		Sample Name: SS03		Date: 8/1/2025				
		Site Name: Poker Lake Unit 342 Battery						
		Incident: nAPP2511078349, nAPP2511826645, & nAPP2519653683						
		Job Number: 03C1558664						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.206551, -103.858575			Logged By: MS		Method: Core Drill			
			Hole Diameter: 2"		Total Depth: 1-foot			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% chloride correction factor is included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0	CCHE	(0-1') CALICHE, tan, poorly graded
Drv	<168	0.4	N	SS03	0.5			
Drv	<168	0.0	N	SS03A	1	1		
Total Depth @ 1-foot bgs								
								

								Sample Name: SS04		Date: 8/1/2025	
								Site Name: Poker Lake Unit 342 Battery			
								Incident: nAPP2511078349, nAPP2511826645, & nAPP2519653683			
								Job Number: 03C1558664			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: CW		Method: Core Drill	
Coordinates: 32.206645, -103.858798								Hole Diameter: 2"		Total Depth: 3 feet	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% chloride correction factor is included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
						0	CCHE	(0-3') CALICHE, tan, poorly graded			
Dry	<168	0.0	N	SS04	0.5	1		(@1') some clay, brown, low plasticity			
Dry	<168	0.0	N		1	1					
Dry	<168	0.0	N		2	2					
Dry	<168	0.0	N	SS04A	3	3					
Total Depth @ 3 feet bgs											



APPENDIX C

Photographic Log



Photographic Log

XTO Energy, Inc

Poker Lake Unit 342 Battery

nAPP2511078349, nAPP2519653683, nAPP2511826645



Photograph: 1
Description: Facility sign
View: Southwest



Photograph: 2
Description: Liner inspection activities
View: Southeast



Photograph: 3
Description: Liner inspection activities
View: Southeast



Photograph: 4
Description: Area of the liner tear
View: Northwest

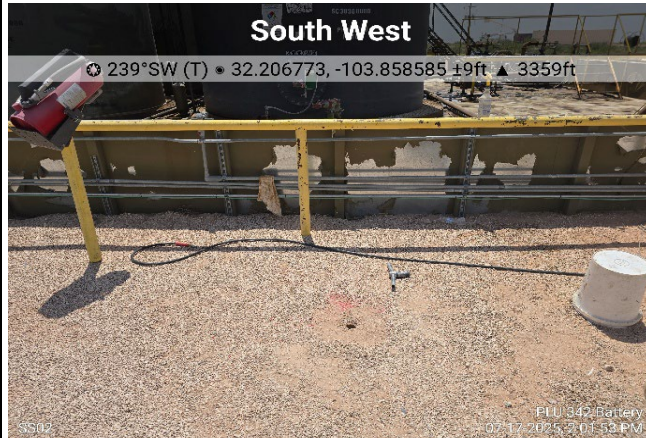


Photographic Log

XTO Energy, Inc

Poker Lake Unit 342 Battery

nAPP2511078349, nAPP2519653683, nAPP2511826645



Photograph: 5 Date: 7/17/2025
Description: Sampling activities; near SS02
View: Southwest



Photograph: 6 Date: 7/17/2025
Description: Sampling activities; near SS03
View: West



Photograph: 7 Date: 8/1/2025
Description: Delineation activities; near BH01
View: Direct



Photograph: 8 Date: 8/1/2025
Description: Patching of BH01
View: Direct

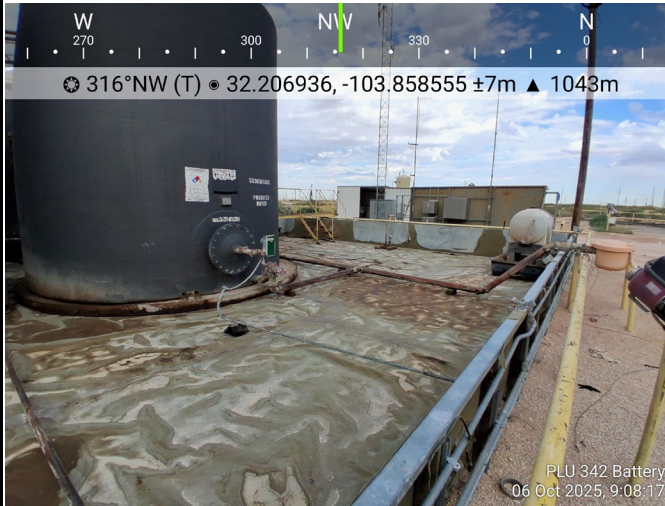


Photographic Log

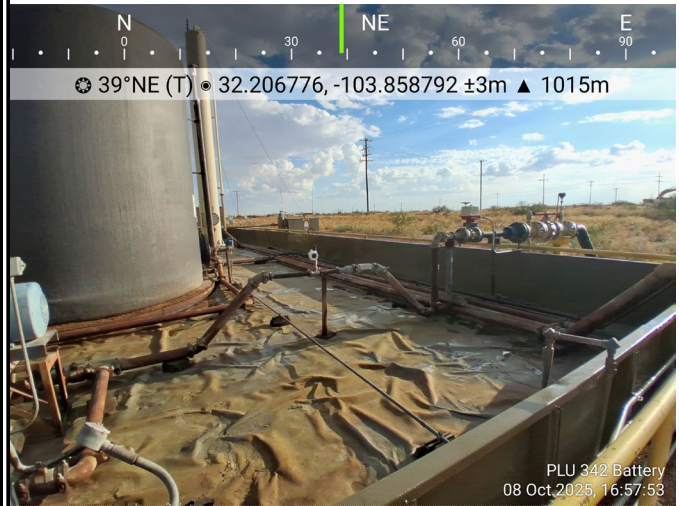
XTO Energy, Inc

Poker Lake Unit 342 Battery

nAPP2511078349, nAPP2519653683, nAPP2511826645



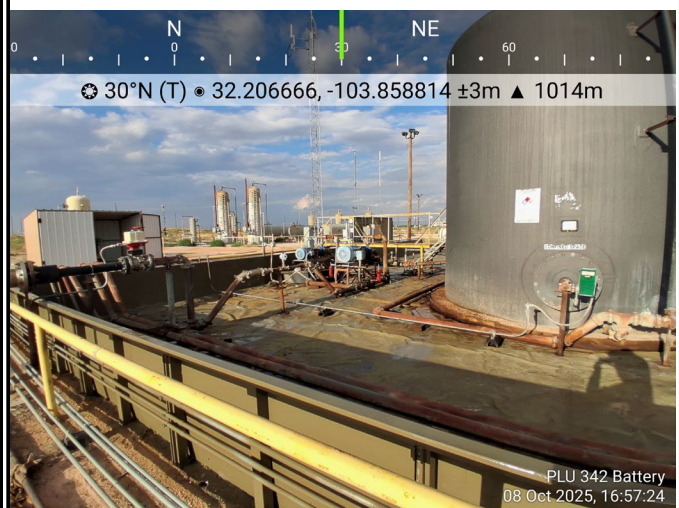
Photograph: 9 Date: 10/6/2025
Description: Cleaning activities of lined containment
View: Northwest



Photograph: 10 Date: 10/8/2025
Description: Non-invasive liner restoration coating
View: Northeast



Photograph: 11 Date: 10/8/2025
Description: Non-invasive liner restoration coating
View: West



Photograph: 12 Date: 10/8/2025
Description: Non-invasive liner restoration coating
View: Northeast



APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



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

July 23, 2025

JEREMY REICH

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: POKER LAKE UNIT 342 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 07/21/25 12:35.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
JEREMY REICH
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	07/21/2025	Sampling Date:	07/17/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT 342 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558664/03C1558705	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20676, -103.85883		

Sample ID: SS 01 0.5 (H254356-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2025	ND	1.88	93.8	2.00	5.12	
Toluene*	<0.050	0.050	07/22/2025	ND	1.97	98.5	2.00	5.07	
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	1.96	98.2	2.00	4.94	
Total Xylenes*	<0.150	0.150	07/22/2025	ND	5.82	97.0	6.00	4.93	
Total BTX	<0.300	0.300	07/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 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	64.0	16.0	07/22/2025	ND	464	116	400	3.39		

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	07/22/2025	ND	192	96.1	200	1.04	
DRO >C10-C28*	<10.0	10.0	07/22/2025	ND	189	94.3	200	0.577	
EXT DRO >C28-C36	<10.0	10.0	07/22/2025	ND					

Surrogate: 1-Chlorooctane 87.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
JEREMY REICH
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 07/21/2025
Reported: 07/23/2025
Project Name: POKER LAKE UNIT 342 BATTERY
Project Number: 03C1558664/03C1558705
Project Location: XTO 32.20676, -103.85883

Sampling Date: 07/17/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 02 0.5 (H254356-02)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2025	ND	1.88	93.8	2.00	5.12		
Toluene*	<0.050	0.050	07/22/2025	ND	1.97	98.5	2.00	5.07		
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	1.96	98.2	2.00	4.94		
Total Xylenes*	<0.150	0.150	07/22/2025	ND	5.82	97.0	6.00	4.93		
Total BTX	<0.300	0.300	07/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/22/2025	ND	464	116	400	3.39		

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	07/22/2025	ND	192	96.1	200	1.04	
DRO >C10-C28*	<10.0	10.0	07/22/2025	ND	189	94.3	200	0.577	
EXT DRO >C28-C36	<10.0	10.0	07/22/2025	ND					

Surrogate: 1-Chlorooctane 83.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
JEREMY REICH
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 07/21/2025
Reported: 07/23/2025
Project Name: POKER LAKE UNIT 342 BATTERY
Project Number: 03C1558664/03C1558705
Project Location: XTO 32.20676, -103.85883

Sampling Date: 07/17/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 02A 3 (H254356-03)

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	07/22/2025	ND	1.88	93.8	2.00	5.12	
Toluene*	<0.050	0.050	07/22/2025	ND	1.97	98.5	2.00	5.07	
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	1.96	98.2	2.00	4.94	
Total Xylenes*	<0.150	0.150	07/22/2025	ND	5.82	97.0	6.00	4.93	
Total BTEX	<0.300	0.300	07/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 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	64.0	16.0	07/22/2025	ND	464	116	400	3.39	

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	07/22/2025	ND	192	96.1	200	1.04	
DRO >C10-C28*	<10.0	10.0	07/22/2025	ND	189	94.3	200	0.577	
EXT DRO >C28-C36	<10.0	10.0	07/22/2025	ND					

Surrogate: 1-Chlorooctane 85.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
JEREMY REICH
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 07/21/2025
Reported: 07/23/2025
Project Name: POKER LAKE UNIT 342 BATTERY
Project Number: 03C1558664/03C1558705
Project Location: XTO 32.20676, -103.85883

Sampling Date: 07/17/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 03 0.5 (H254356-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2025	ND	1.88	93.8	2.00	5.12		
Toluene*	<0.050	0.050	07/22/2025	ND	1.97	98.5	2.00	5.07		
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	1.96	98.2	2.00	4.94		
Total Xylenes*	<0.150	0.150	07/22/2025	ND	5.82	97.0	6.00	4.93		
Total BTX	<0.300	0.300	07/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/22/2025	ND	464	116	400	3.39		

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	07/22/2025	ND	192	96.1	200	1.04	
DRO >C10-C28*	<10.0	10.0	07/22/2025	ND	189	94.3	200	0.577	
EXT DRO >C28-C36	<10.0	10.0	07/22/2025	ND					

Surrogate: 1-Chlorooctane 85.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
JEREMY REICH
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 07/21/2025
Reported: 07/23/2025
Project Name: POKER LAKE UNIT 342 BATTERY
Project Number: 03C1558664/03C1558705
Project Location: XTO 32.20676, -103.85883

Sampling Date: 07/17/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 03A 1 (H254356-05)

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	07/22/2025	ND	1.88	93.8	2.00	5.12		
Toluene*	<0.050	0.050	07/22/2025	ND	1.97	98.5	2.00	5.07		
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	1.96	98.2	2.00	4.94		
Total Xylenes*	<0.150	0.150	07/22/2025	ND	5.82	97.0	6.00	4.93		
Total BTEX	<0.300	0.300	07/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 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	07/22/2025	ND	464	116	400	3.39		

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	07/22/2025	ND	192	96.1	200	1.04	
DRO >C10-C28*	<10.0	10.0	07/22/2025	ND	189	94.3	200	0.577	
EXT DRO >C28-C36	<10.0	10.0	07/22/2025	ND					

Surrogate: 1-Chlorooctane 87.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.0 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/8/2025 12:46:46 PM Revision 1

JOB DESCRIPTION

POKER LAKE UNIT 342 BATTERY

JOB NUMBER

890-8558-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

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

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

Authorization



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

Generated
8/8/2025 12:46:46 PM
Revision 1

Client: Ensolum
Project/Site: POKER LAKE UNIT 342 BATTERY

Laboratory Job ID: 890-8558-1

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Definitions/Glossary

Client: Ensolum
Project/Site: POKER LAKE UNIT 342 BATTERY

Job ID: 890-8558-1

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Ensolum
Project: POKER LAKE UNIT 342 BATTERY

Job ID: 890-8558-1

Job ID: 890-8558-1

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Job Narrative 890-8558-1

REVISION

The report being provided is a revision of the original report sent on 8/4/2025. The report (revision 1) is being revised due to Per client email, requesting ORO range be reviewed.

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 3:09 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: BH 01 (890-8558-1), BH 01A (890-8558-2), BH 01B (890-8558-3), SS 01 (890-8558-4), SS 01A (890-8558-5), SS 04 (890-8558-6) and SS 04A (890-8558-7).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-115648 and analytical batch 880-115668 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.

Method 8021B: Surrogate recovery for the following sample was outside control limits: BH 01 (890-8558-1). 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

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

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Client Sample Results

Client: Ensolum

Job ID: 890-8558-1

Project/Site: POKER LAKE UNIT 342 BATTERY

Client Sample ID: BH 01

Lab Sample ID: 890-8558-1

Date Collected: 08/01/25 09:55

Matrix: Solid

Date Received: 08/01/25 15:09

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.362		0.200	mg/Kg		08/02/25 19:04	08/03/25 00:49	100
Toluene	8.76		0.200	mg/Kg		08/02/25 19:04	08/03/25 00:49	100
Ethylbenzene	2.72		0.200	mg/Kg		08/02/25 19:04	08/03/25 00:49	100
m-Xylene & p-Xylene	36.6		0.401	mg/Kg		08/02/25 19:04	08/03/25 00:49	100
o-Xylene	17.5		0.200	mg/Kg		08/02/25 19:04	08/03/25 00:49	100
Xylenes, Total	54.1		0.401	mg/Kg		08/02/25 19:04	08/03/25 00:49	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	209	S1+	70 - 130	08/02/25 19:04	08/03/25 00:49	100
1,4-Difluorobenzene (Surr)	87		70 - 130	08/02/25 19:04	08/03/25 00:49	100

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	65.9		0.401	mg/Kg			08/03/25 00:49	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	11600		250	mg/Kg			08/07/25 14:10	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	1890		499	mg/Kg		08/04/25 07:46	08/04/25 12:23	10
Diesel Range Organics (Over C10-C28)	9330		499	mg/Kg		08/04/25 07:46	08/04/25 12:23	10
Oil Range Organics (Over C28-C36)	405		250	mg/Kg		08/06/25 14:26	08/07/25 14:10	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130	08/04/25 07:46	08/04/25 12:23	10
o-Terphenyl	219	S1+	70 - 130	08/04/25 07:46	08/04/25 12:23	10

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.9		9.96	mg/Kg			08/03/25 18:58	1

Client Sample ID: BH 01A

Lab Sample ID: 890-8558-2

Date Collected: 08/01/25 10:25

Matrix: Solid

Date Received: 08/01/25 15:09

Sample Depth: 3

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		08/02/25 19:04	08/02/25 23:48	1
Toluene	<0.00199	U	0.00199	mg/Kg		08/02/25 19:04	08/02/25 23:48	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		08/02/25 19:04	08/02/25 23:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		08/02/25 19:04	08/02/25 23:48	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		08/02/25 19:04	08/02/25 23:48	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		08/02/25 19:04	08/02/25 23:48	1

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Client Sample Results

Client: Ensolum

Job ID: 890-8558-1

Project/Site: POKER LAKE UNIT 342 BATTERY

Client Sample ID: BH 01A

Lab Sample ID: 890-8558-2

Date Collected: 08/01/25 10:25

Matrix: Solid

Date Received: 08/01/25 15:09

Sample Depth: 3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	08/02/25 19:04	08/02/25 23:48	1
1,4-Difluorobenzene (Surr)	87		70 - 130	08/02/25 19:04	08/02/25 23:48	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 23:48	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 11:34	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 07:46	08/04/25 11:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/04/25 07:46	08/04/25 11:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/04/25 07:46	08/04/25 11:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130	08/04/25 07:46	08/04/25 11:34	1
o-Terphenyl	77		70 - 130	08/04/25 07:46	08/04/25 11:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3060		49.8	mg/Kg			08/03/25 19:21	5

Client Sample ID: BH 01B

Lab Sample ID: 890-8558-3

Date Collected: 08/01/25 10:45

Matrix: Solid

Date Received: 08/01/25 15:09

Sample Depth: 4

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	08/03/25 00:08	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/02/25 19:04	08/03/25 00:08	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/02/25 19:04	08/03/25 00:08	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		08/02/25 19:04	08/03/25 00:08	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/02/25 19:04	08/03/25 00:08	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		08/02/25 19:04	08/03/25 00:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	08/02/25 19:04	08/03/25 00:08	1
1,4-Difluorobenzene (Surr)	99		70 - 130	08/02/25 19:04	08/03/25 00:08	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 00:08	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	114		50.0	mg/Kg			08/04/25 12:39	1

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Client Sample Results

Client: Ensolum

Job ID: 890-8558-1

Project/Site: POKER LAKE UNIT 342 BATTERY

Client Sample ID: BH 01B

Lab Sample ID: 890-8558-3

Date Collected: 08/01/25 10:45

Matrix: Solid

Date Received: 08/01/25 15:09

Sample Depth: 4

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 07:46	08/04/25 12:39	1
Diesel Range Organics (Over C10-C28)	114		50.0	mg/Kg		08/04/25 07:46	08/04/25 12:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/04/25 07:46	08/04/25 12:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130			08/04/25 07:46	08/04/25 12:39	1
o-Terphenyl	80		70 - 130			08/04/25 07:46	08/04/25 12:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3670		49.7	mg/Kg			08/03/25 19:29	5

Client Sample ID: SS 01

Lab Sample ID: 890-8558-4

Date Collected: 08/01/25 11:15

Matrix: Solid

Date Received: 08/01/25 15:09

Sample Depth: 0.5

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	08/03/25 00:29	1
Toluene	<0.00202	U	0.00202	mg/Kg		08/02/25 19:04	08/03/25 00:29	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		08/02/25 19:04	08/03/25 00:29	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		08/02/25 19:04	08/03/25 00:29	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		08/02/25 19:04	08/03/25 00:29	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		08/02/25 19:04	08/03/25 00:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130			08/02/25 19:04	08/03/25 00:29	1
1,4-Difluorobenzene (Surr)	96		70 - 130			08/02/25 19:04	08/03/25 00:29	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 00:29	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 12:56	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 07:46	08/04/25 12:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/04/25 07:46	08/04/25 12:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/04/25 07:46	08/04/25 12:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130			08/04/25 07:46	08/04/25 12:56	1
o-Terphenyl	82		70 - 130			08/04/25 07:46	08/04/25 12:56	1

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Client Sample Results

Client: Ensolum
Project/Site: POKER LAKE UNIT 342 BATTERY

Job ID: 890-8558-1

Client Sample ID: SS 01

Lab Sample ID: 890-8558-4

Date Collected: 08/01/25 11:15

Matrix: Solid

Date Received: 08/01/25 15:09

Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	205		10.0	mg/Kg			08/03/25 19:37	1

Client Sample ID: SS 01A

Lab Sample ID: 890-8558-5

Date Collected: 08/01/25 11:35

Matrix: Solid

Date Received: 08/01/25 15:09

Sample Depth: 4

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		08/03/25 16:00	08/03/25 19:40	1
Toluene	<0.00202	U	0.00202	mg/Kg		08/03/25 16:00	08/03/25 19:40	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		08/03/25 16:00	08/03/25 19:40	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		08/03/25 16:00	08/03/25 19:40	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		08/03/25 16:00	08/03/25 19:40	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		08/03/25 16:00	08/03/25 19:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130			08/03/25 16:00	08/03/25 19:40	1
1,4-Difluorobenzene (Surr)	102		70 - 130			08/03/25 16:00	08/03/25 19:40	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 19:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			08/04/25 11:34	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	<49.9	U	49.9	mg/Kg		08/04/25 07:47	08/04/25 11:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		08/04/25 07:47	08/04/25 11:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		08/04/25 07:47	08/04/25 11:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130			08/04/25 07:47	08/04/25 11:34	1
o-Terphenyl	78		70 - 130			08/04/25 07:47	08/04/25 11:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	237		9.98	mg/Kg			08/03/25 19:44	1

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Client Sample Results

Client: Ensolum

Job ID: 890-8558-1

Project/Site: POKER LAKE UNIT 342 BATTERY

Client Sample ID: SS 04

Lab Sample ID: 890-8558-6

Date Collected: 08/01/25 12:00

Matrix: Solid

Date Received: 08/01/25 15:09

Sample Depth: 0.5

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		08/03/25 16:00	08/03/25 20:00	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/03/25 16:00	08/03/25 20:00	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/03/25 16:00	08/03/25 20:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		08/03/25 16:00	08/03/25 20:00	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/03/25 16:00	08/03/25 20:00	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		08/03/25 16:00	08/03/25 20:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	08/03/25 16:00	08/03/25 20:00	1
1,4-Difluorobenzene (Surr)	106		70 - 130	08/03/25 16:00	08/03/25 20:00	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 20:00	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			08/04/25 12:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		08/04/25 07:47	08/04/25 12:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		08/04/25 07:47	08/04/25 12:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		08/04/25 07:47	08/04/25 12:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	08/04/25 07:47	08/04/25 12:23	1
o-Terphenyl	73		70 - 130	08/04/25 07:47	08/04/25 12:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	224		10.0	mg/Kg			08/03/25 19:52	1

Client Sample ID: SS 04A

Lab Sample ID: 890-8558-7

Date Collected: 08/01/25 12:20

Matrix: Solid

Date Received: 08/01/25 15:09

Sample Depth: 3

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		08/03/25 16:00	08/03/25 20:21	1
Toluene	<0.00199	U	0.00199	mg/Kg		08/03/25 16:00	08/03/25 20:21	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		08/03/25 16:00	08/03/25 20:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		08/03/25 16:00	08/03/25 20:21	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		08/03/25 16:00	08/03/25 20:21	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		08/03/25 16:00	08/03/25 20:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	08/03/25 16:00	08/03/25 20:21	1

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Client Sample Results

Client: Ensolum
Project/Site: POKER LAKE UNIT 342 BATTERY

Job ID: 890-8558-1

Client Sample ID: SS 04A

Lab Sample ID: 890-8558-7

Date Collected: 08/01/25 12:20

Matrix: Solid

Date Received: 08/01/25 15:09

Sample Depth: 3

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)									
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,4-Difluorobenzene (Surr)	100		70 - 130			08/03/25 16:00	08/03/25 20:21	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 20:21	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.0	U	50.0	mg/Kg			08/04/25 12:39	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	<50.0	U	50.0	mg/Kg		08/04/25 07:47	08/04/25 12:39	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/04/25 07:47	08/04/25 12:39	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/04/25 07:47	08/04/25 12:39	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	91		70 - 130			08/04/25 07:47	08/04/25 12:39	1	
o-Terphenyl	79		70 - 130			08/04/25 07:47	08/04/25 12:39	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	102		10.0	mg/Kg			08/03/25 19:59	1	

Surrogate Summary

Client: Ensolum

Job ID: 890-8558-1

Project/Site: POKER LAKE UNIT 342 BATTERY

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-A-21-A MS	Matrix Spike	101	99
890-8553-A-21-B MSD	Matrix Spike Duplicate	104	99
890-8554-A-1-A MS	Matrix Spike	104	104
890-8554-A-1-B MSD	Matrix Spike Duplicate	96	101
890-8558-1	BH 01	209 S1+	87
890-8558-2	BH 01A	110	87
890-8558-3	BH 01B	107	99
890-8558-4	SS 01	107	96
890-8558-5	SS 01A	93	102
890-8558-6	SS 04	95	106
890-8558-7	SS 04A	95	100
LCS 880-115647/1-A	Lab Control Sample	101	99
LCS 880-115648/1-A	Lab Control Sample	99	104
LCSD 880-115647/2-A	Lab Control Sample Dup	98	100
LCSD 880-115648/2-A	Lab Control Sample Dup	101	107
MB 880-115647/5-A	Method Blank	99	89
MB 880-115648/5-A	Method Blank	98	92
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)
880-61189-A-1-B MS	Matrix Spike	105	98
880-61189-A-1-C MSD	Matrix Spike Duplicate	89	82
890-8558-1	BH 01	127	219 S1+
890-8558-2	BH 01A	78	77
890-8558-2 MS	BH 01A	93	84
890-8558-2 MSD	BH 01A	78	83
890-8558-3	BH 01B	80	80
890-8558-4	SS 01	84	82
890-8558-5	SS 01A	89	78
890-8558-5 MS	SS 01A	87	82
890-8558-5 MSD	SS 01A	86	81
890-8558-6	SS 04	90	73
890-8558-7	SS 04A	91	79
LCS 880-115676/2-A	Lab Control Sample	90	100
LCS 880-115677/2-A	Lab Control Sample	112	114
LCS 880-116007/2-A	Lab Control Sample	112	105
LCSD 880-115676/3-A	Lab Control Sample Dup	90	101
LCSD 880-115677/3-A	Lab Control Sample Dup	124	103
LCSD 880-116007/3-A	Lab Control Sample Dup	128	125
MB 880-115676/1-A	Method Blank	95	98
MB 880-115677/1-A	Method Blank	82	80
MB 880-116007/1-A	Method Blank	103	101

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Surrogate Summary

Client: Ensolum
Project/Site: POKER LAKE UNIT 342 BATTERY

Job ID: 890-8558-1

Surrogate Legend
1CO = 1-Chlorooctane
OTPH = o-Terphenyl

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

QC Sample Results

Client: Ensolum

Job ID: 890-8558-1

Project/Site: POKER LAKE UNIT 342 BATTERY

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-115647/5-A

Matrix: Solid

Analysis Batch: 115645

Client Sample ID: Method Blank

Prep Type: Total/NA

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

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
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
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-A-21-A MS

Matrix: Solid

Analysis Batch: 115645

Client Sample ID: Matrix Spike

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

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QC Sample Results

Client: Ensolum

Job ID: 890-8558-1

Project/Site: POKER LAKE UNIT 342 BATTERY

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

Lab Sample ID: 890-8553-A-21-A MS

Matrix: Solid

Analysis Batch: 115645

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 115647

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
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-A-21-B MSD

Matrix: Solid

Analysis Batch: 115645

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 115647

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	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

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

Lab Sample ID: MB 880-115648/5-A

Matrix: Solid

Analysis Batch: 115668

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115648

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/02/25 19:07	08/03/25 18:37	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/02/25 19:07	08/03/25 18:37	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/02/25 19:07	08/03/25 18:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		08/02/25 19:07	08/03/25 18:37	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/02/25 19:07	08/03/25 18:37	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		08/02/25 19:07	08/03/25 18:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	08/02/25 19:07	08/03/25 18:37	1
1,4-Difluorobenzene (Surr)	92		70 - 130	08/02/25 19:07	08/03/25 18:37	1

Lab Sample ID: LCS 880-115648/1-A

Matrix: Solid

Analysis Batch: 115668

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115648

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08040		mg/Kg		80	70 - 130
Toluene	0.100	0.07898		mg/Kg		79	70 - 130
Ethylbenzene	0.100	0.08634		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	0.200	0.1721		mg/Kg		86	70 - 130

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QC Sample Results

Client: Ensolum

Job ID: 890-8558-1

Project/Site: POKER LAKE UNIT 342 BATTERY

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

Lab Sample ID: LCS 880-115648/1-A

Matrix: Solid

Analysis Batch: 115668

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115648

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.08862		mg/Kg		89	70 - 130

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

Lab Sample ID: LCSD 880-115648/2-A

Matrix: Solid

Analysis Batch: 115668

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115648

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.08861		mg/Kg		89	70 - 130	10	35
Toluene	0.100	0.08483		mg/Kg		85	70 - 130	7	35
Ethylbenzene	0.100	0.09343		mg/Kg		93	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1834		mg/Kg		92	70 - 130	6	35
o-Xylene	0.100	0.09247		mg/Kg		92	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 890-8554-A-1-A MS

Matrix: Solid

Analysis Batch: 115668

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 115648

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U F1	0.100	0.06162	F1	mg/Kg		62	70 - 130
Toluene	<0.00202	U F1	0.100	0.06122	F1	mg/Kg		61	70 - 130
Ethylbenzene	<0.00202	U	0.100	0.07279		mg/Kg		73	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1436		mg/Kg		72	70 - 130
o-Xylene	<0.00202	U	0.100	0.07172		mg/Kg		72	70 - 130

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

Lab Sample ID: 890-8554-A-1-B MSD

Matrix: Solid

Analysis Batch: 115668

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 115648

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00202	U F1	0.100	0.07331		mg/Kg		73	70 - 130	17	35
Toluene	<0.00202	U F1	0.100	0.06623	F1	mg/Kg		66	70 - 130	8	35
Ethylbenzene	<0.00202	U	0.100	0.07103		mg/Kg		71	70 - 130	2	35
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1400		mg/Kg		70	70 - 130	3	35
o-Xylene	<0.00202	U	0.100	0.07080		mg/Kg		71	70 - 130	1	35

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QC Sample Results

Client: Ensolum

Job ID: 890-8558-1

Project/Site: POKER LAKE UNIT 342 BATTERY

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

Lab Sample ID: 890-8554-A-1-B MSD

Matrix: Solid

Analysis Batch: 115668

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 115648

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

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

Lab Sample ID: MB 880-115676/1-A

Matrix: Solid

Analysis Batch: 115702

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115676

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		08/04/25 07:46	08/04/25 09:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/04/25 07:46	08/04/25 09:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/04/25 07:46	08/04/25 09:22	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
%Recovery	Qualifier					
1-Chlorooctane	95		70 - 130	08/04/25 07:46	08/04/25 09:22	1
o-Terphenyl	98		70 - 130	08/04/25 07:46	08/04/25 09:22	1

Lab Sample ID: LCS 880-115676/2-A

Matrix: Solid

Analysis Batch: 115702

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115676

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1099		mg/Kg		110	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1125		mg/Kg		112	70 - 130

Surrogate	LCS	LCS	Limits
%Recovery	Qualifier		
1-Chlorooctane	90		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: LCSD 880-115676/3-A

Matrix: Solid

Analysis Batch: 115702

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115676

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1082		mg/Kg		108	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1125		mg/Kg		112	70 - 130	0	20

Surrogate	LCSD	LCSD	Limits
%Recovery	Qualifier		
1-Chlorooctane	90		70 - 130
o-Terphenyl	101		70 - 130

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QC Sample Results

Client: Ensolum

Job ID: 890-8558-1

Project/Site: POKER LAKE UNIT 342 BATTERY

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

Lab Sample ID: 890-8558-2 MS

Matrix: Solid

Analysis Batch: 115702

Client Sample ID: BH 01A

Prep Type: Total/NA

Prep Batch: 115676

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	997	835.1		mg/Kg		84	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	827.2		mg/Kg		83	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	93		70 - 130						
o-Terphenyl	84		70 - 130						

Lab Sample ID: 890-8558-2 MSD

Matrix: Solid

Analysis Batch: 115702

Client Sample ID: BH 01A

Prep Type: Total/NA

Prep Batch: 115676

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	997	838.9		mg/Kg		84	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	907.4		mg/Kg		91	70 - 130	9	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	78		70 - 130								
o-Terphenyl	83		70 - 130								

Lab Sample ID: MB 880-115677/1-A

Matrix: Solid

Analysis Batch: 115705

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115677

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 07:47	08/04/25 09:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/04/25 07:47	08/04/25 09:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/04/25 07:47	08/04/25 09:22	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130			08/04/25 07:47	08/04/25 09:22	1
o-Terphenyl	80		70 - 130			08/04/25 07:47	08/04/25 09:22	1

Lab Sample ID: LCS 880-115677/2-A

Matrix: Solid

Analysis Batch: 115705

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115677

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1082		mg/Kg		108	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1071		mg/Kg		107	70 - 130

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QC Sample Results

Client: Ensolum

Job ID: 890-8558-1

Project/Site: POKER LAKE UNIT 342 BATTERY

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

Lab Sample ID: LCS 880-115677/2-A

Matrix: Solid

Analysis Batch: 115705

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115677

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: LCSD 880-115677/3-A

Matrix: Solid

Analysis Batch: 115705

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115677

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1043		mg/Kg		104	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	970.9		mg/Kg		97	70 - 130	10	20
Surrogate		LCSD	LCSD								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	124		70 - 130								
o-Terphenyl	103		70 - 130								

Lab Sample ID: 890-8558-5 MS

Matrix: Solid

Analysis Batch: 115705

Client Sample ID: SS 01A

Prep Type: Total/NA

Prep Batch: 115677

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	832.2		mg/Kg		83	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	790.8		mg/Kg		77	70 - 130		
Surrogate		MS	MS								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	87		70 - 130								
o-Terphenyl	82		70 - 130								

Lab Sample ID: 890-8558-5 MSD

Matrix: Solid

Analysis Batch: 115705

Client Sample ID: SS 01A

Prep Type: Total/NA

Prep Batch: 115677

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	837.7		mg/Kg		84	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	800.8		mg/Kg		78	70 - 130	1	20
Surrogate		MSD	MSD								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	86		70 - 130								
o-Terphenyl	81		70 - 130								

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QC Sample Results

Client: Ensolum

Job ID: 890-8558-1

Project/Site: POKER LAKE UNIT 342 BATTERY

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

Lab Sample ID: MB 880-116007/1-A

Matrix: Solid

Analysis Batch: 116109

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116007

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		08/06/25 14:26	08/07/25 09:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/06/25 14:26	08/07/25 09:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/06/25 14:26	08/07/25 09:22	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130			08/06/25 14:26	08/07/25 09:22	1
o-Terphenyl	101		70 - 130			08/06/25 14:26	08/07/25 09:22	1

Lab Sample ID: LCS 880-116007/2-A

Matrix: Solid

Analysis Batch: 116109

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116007

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1048		mg/Kg		105	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1049		mg/Kg		105	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	112		70 - 130				
o-Terphenyl	105		70 - 130				

Lab Sample ID: LCSD 880-116007/3-A

Matrix: Solid

Analysis Batch: 116109

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116007

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1238		mg/Kg		124	70 - 130	17	20
Diesel Range Organics (Over C10-C28)	1000	1282		mg/Kg		128	70 - 130	20	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	128		70 - 130						
o-Terphenyl	125		70 - 130						

Lab Sample ID: 880-61189-A-1-B MS

Matrix: Solid

Analysis Batch: 116109

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 116007

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	996	907.4		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	996	897.8		mg/Kg		88	70 - 130

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QC Sample Results

Client: Ensolum

Job ID: 890-8558-1

Project/Site: POKER LAKE UNIT 342 BATTERY

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

Lab Sample ID: 880-61189-A-1-B MS

Matrix: Solid

Analysis Batch: 116109

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 116007

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: 880-61189-A-1-C MSD

Matrix: Solid

Analysis Batch: 116109

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 116007

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	996	795.1		mg/Kg		80	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	<50.0	U	996	755.7		mg/Kg		74	70 - 130	17	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	82		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-115658/1-A

Matrix: Solid

Analysis Batch: 115666

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			08/03/25 16:18	1

Lab Sample ID: LCS 880-115658/2-A

Matrix: Solid

Analysis Batch: 115666

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	251.6		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-115658/3-A

Matrix: Solid

Analysis Batch: 115666

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	249.2		mg/Kg		100	90 - 110	1	20

Lab Sample ID: 880-61034-A-11-B MS

Matrix: Solid

Analysis Batch: 115666

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	4750		2510	7389		mg/Kg		105	90 - 110

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QC Sample Results

Client: Ensolum
Project/Site: POKER LAKE UNIT 342 BATTERY

Job ID: 890-8558-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-61034-A-11-C MSD						Client Sample ID: Matrix Spike Duplicate						
Matrix: Solid						Prep Type: Soluble						
Analysis Batch: 115666												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	4750		2510	7332		mg/Kg		103	90 - 110	1	20	

QC Association Summary

Client: Ensolum

Job ID: 890-8558-1

Project/Site: POKER LAKE UNIT 342 BATTERY

GC VOA

Analysis Batch: 115645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8558-1	BH 01	Total/NA	Solid	8021B	115647
890-8558-2	BH 01A	Total/NA	Solid	8021B	115647
890-8558-3	BH 01B	Total/NA	Solid	8021B	115647
890-8558-4	SS 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-A-21-A MS	Matrix Spike	Total/NA	Solid	8021B	115647
890-8553-A-21-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	115647

Prep Batch: 115647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8558-1	BH 01	Total/NA	Solid	5035	
890-8558-2	BH 01A	Total/NA	Solid	5035	
890-8558-3	BH 01B	Total/NA	Solid	5035	
890-8558-4	SS 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-A-21-A MS	Matrix Spike	Total/NA	Solid	5035	
890-8553-A-21-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 115648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8558-5	SS 01A	Total/NA	Solid	5035	
890-8558-6	SS 04	Total/NA	Solid	5035	
890-8558-7	SS 04A	Total/NA	Solid	5035	
MB 880-115648/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-115648/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-115648/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8554-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
890-8554-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 115668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8558-5	SS 01A	Total/NA	Solid	8021B	115648
890-8558-6	SS 04	Total/NA	Solid	8021B	115648
890-8558-7	SS 04A	Total/NA	Solid	8021B	115648
MB 880-115648/5-A	Method Blank	Total/NA	Solid	8021B	115648
LCS 880-115648/1-A	Lab Control Sample	Total/NA	Solid	8021B	115648
LCSD 880-115648/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	115648
890-8554-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	115648
890-8554-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	115648

Analysis Batch: 115758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8558-1	BH 01	Total/NA	Solid	Total BTEX	
890-8558-2	BH 01A	Total/NA	Solid	Total BTEX	
890-8558-3	BH 01B	Total/NA	Solid	Total BTEX	
890-8558-4	SS 01	Total/NA	Solid	Total BTEX	
890-8558-5	SS 01A	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Ensolum

Job ID: 890-8558-1

Project/Site: POKER LAKE UNIT 342 BATTERY

GC VOA (Continued)

Analysis Batch: 115758 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8558-6	SS 04	Total/NA	Solid	Total BTEX	
890-8558-7	SS 04A	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 115676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8558-1	BH 01	Total/NA	Solid	8015NM Prep	
890-8558-2	BH 01A	Total/NA	Solid	8015NM Prep	
890-8558-3	BH 01B	Total/NA	Solid	8015NM Prep	
890-8558-4	SS 01	Total/NA	Solid	8015NM Prep	
MB 880-115676/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-115676/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-115676/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8558-2 MS	BH 01A	Total/NA	Solid	8015NM Prep	
890-8558-2 MSD	BH 01A	Total/NA	Solid	8015NM Prep	

Prep Batch: 115677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8558-5	SS 01A	Total/NA	Solid	8015NM Prep	
890-8558-6	SS 04	Total/NA	Solid	8015NM Prep	
890-8558-7	SS 04A	Total/NA	Solid	8015NM Prep	
MB 880-115677/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-115677/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-115677/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8558-5 MS	SS 01A	Total/NA	Solid	8015NM Prep	
890-8558-5 MSD	SS 01A	Total/NA	Solid	8015NM Prep	

Analysis Batch: 115702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8558-1	BH 01	Total/NA	Solid	8015B NM	115676
890-8558-2	BH 01A	Total/NA	Solid	8015B NM	115676
890-8558-3	BH 01B	Total/NA	Solid	8015B NM	115676
890-8558-4	SS 01	Total/NA	Solid	8015B NM	115676
MB 880-115676/1-A	Method Blank	Total/NA	Solid	8015B NM	115676
LCS 880-115676/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	115676
LCSD 880-115676/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	115676
890-8558-2 MS	BH 01A	Total/NA	Solid	8015B NM	115676
890-8558-2 MSD	BH 01A	Total/NA	Solid	8015B NM	115676

Analysis Batch: 115705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8558-5	SS 01A	Total/NA	Solid	8015B NM	115677
890-8558-6	SS 04	Total/NA	Solid	8015B NM	115677
890-8558-7	SS 04A	Total/NA	Solid	8015B NM	115677
MB 880-115677/1-A	Method Blank	Total/NA	Solid	8015B NM	115677
LCS 880-115677/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	115677
LCSD 880-115677/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	115677
890-8558-5 MS	SS 01A	Total/NA	Solid	8015B NM	115677
890-8558-5 MSD	SS 01A	Total/NA	Solid	8015B NM	115677

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QC Association Summary

Client: Ensolum

Job ID: 890-8558-1

Project/Site: POKER LAKE UNIT 342 BATTERY

GC Semi VOA

Analysis Batch: 115773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8558-1	BH 01	Total/NA	Solid	8015 NM	
890-8558-2	BH 01A	Total/NA	Solid	8015 NM	
890-8558-3	BH 01B	Total/NA	Solid	8015 NM	
890-8558-4	SS 01	Total/NA	Solid	8015 NM	
890-8558-5	SS 01A	Total/NA	Solid	8015 NM	
890-8558-6	SS 04	Total/NA	Solid	8015 NM	
890-8558-7	SS 04A	Total/NA	Solid	8015 NM	

Prep Batch: 116007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8558-1	BH 01	Total/NA	Solid	8015NM Prep	
MB 880-116007/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-116007/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-116007/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-61189-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-61189-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 116109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8558-1	BH 01	Total/NA	Solid	8015B NM	116007
MB 880-116007/1-A	Method Blank	Total/NA	Solid	8015B NM	116007
LCS 880-116007/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	116007
LCSD 880-116007/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	116007
880-61189-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	116007
880-61189-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	116007

HPLC/IC

Leach Batch: 115658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8558-1	BH 01	Soluble	Solid	DI Leach	
890-8558-2	BH 01A	Soluble	Solid	DI Leach	
890-8558-3	BH 01B	Soluble	Solid	DI Leach	
890-8558-4	SS 01	Soluble	Solid	DI Leach	
890-8558-5	SS 01A	Soluble	Solid	DI Leach	
890-8558-6	SS 04	Soluble	Solid	DI Leach	
890-8558-7	SS 04A	Soluble	Solid	DI Leach	
MB 880-115658/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-115658/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-115658/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-61034-A-11-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-61034-A-11-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 115666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8558-1	BH 01	Soluble	Solid	300.0	115658
890-8558-2	BH 01A	Soluble	Solid	300.0	115658
890-8558-3	BH 01B	Soluble	Solid	300.0	115658
890-8558-4	SS 01	Soluble	Solid	300.0	115658
890-8558-5	SS 01A	Soluble	Solid	300.0	115658
890-8558-6	SS 04	Soluble	Solid	300.0	115658

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QC Association Summary

Client: Ensolum
Project/Site: POKER LAKE UNIT 342 BATTERY

Job ID: 890-8558-1

HPLC/IC (Continued)

Analysis Batch: 115666 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8558-7	SS 04A	Soluble	Solid	300.0	115658
MB 880-115658/1-A	Method Blank	Soluble	Solid	300.0	115658
LCS 880-115658/2-A	Lab Control Sample	Soluble	Solid	300.0	115658
LCSD 880-115658/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	115658
880-61034-A-11-B MS	Matrix Spike	Soluble	Solid	300.0	115658
880-61034-A-11-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	115658

Lab Chronicle

Client: Ensolum

Job ID: 890-8558-1

Project/Site: POKER LAKE UNIT 342 BATTERY

Client Sample ID: BH 01

Lab Sample ID: 890-8558-1

Date Collected: 08/01/25 09:55

Matrix: Solid

Date Received: 08/01/25 15:09

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	115647	08/02/25 19:04	EL	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	115645	08/03/25 00:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115758	08/03/25 00:49	SA	EET MID
Total/NA	Analysis	8015 NM		1			115773	08/07/25 14:10	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	115676	08/04/25 07:46	EL	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	115702	08/04/25 12:23	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	116007	08/06/25 14:26	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	116109	08/07/25 14:10	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	115658	08/03/25 10:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	115666	08/03/25 18:58	SMC	EET MID

Client Sample ID: BH 01A

Lab Sample ID: 890-8558-2

Date Collected: 08/01/25 10:25

Matrix: Solid

Date Received: 08/01/25 15:09

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	115647	08/02/25 19:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115645	08/02/25 23:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115758	08/02/25 23:48	SA	EET MID
Total/NA	Analysis	8015 NM		1			115773	08/04/25 11:34	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	115676	08/04/25 07:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/04/25 11:34	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	115658	08/03/25 10:00	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	115666	08/03/25 19:21	SMC	EET MID

Client Sample ID: BH 01B

Lab Sample ID: 890-8558-3

Date Collected: 08/01/25 10:45

Matrix: Solid

Date Received: 08/01/25 15:09

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	08/03/25 00:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115758	08/03/25 00:08	SA	EET MID
Total/NA	Analysis	8015 NM		1			115773	08/04/25 12:39	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115676	08/04/25 07:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/04/25 12:39	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	115658	08/03/25 10:00	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	115666	08/03/25 19:29	SMC	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: POKER LAKE UNIT 342 BATTERY

Job ID: 890-8558-1

Client Sample ID: SS 01

Lab Sample ID: 890-8558-4

Date Collected: 08/01/25 11:15

Matrix: Solid

Date Received: 08/01/25 15:09

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	115647	08/02/25 19:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115645	08/03/25 00:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115758	08/03/25 00:29	SA	EET MID
Total/NA	Analysis	8015 NM		1			115773	08/04/25 12:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115676	08/04/25 07:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/04/25 12:56	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	115658	08/03/25 10:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	115666	08/03/25 19:37	SMC	EET MID

Client Sample ID: SS 01A

Lab Sample ID: 890-8558-5

Date Collected: 08/01/25 11:35

Matrix: Solid

Date Received: 08/01/25 15:09

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	115648	08/03/25 16:00	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115668	08/03/25 19:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115758	08/03/25 19:40	SA	EET MID
Total/NA	Analysis	8015 NM		1			115773	08/04/25 11:34	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	115677	08/04/25 07:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115705	08/04/25 11:34	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	115658	08/03/25 10:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	115666	08/03/25 19:44	SMC	EET MID

Client Sample ID: SS 04

Lab Sample ID: 890-8558-6

Date Collected: 08/01/25 12:00

Matrix: Solid

Date Received: 08/01/25 15:09

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	115648	08/03/25 16:00	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115668	08/03/25 20:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115758	08/03/25 20:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			115773	08/04/25 12:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	115677	08/04/25 07:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115705	08/04/25 12:23	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	115658	08/03/25 10:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	115666	08/03/25 19:52	SMC	EET MID

Client Sample ID: SS 04A

Lab Sample ID: 890-8558-7

Date Collected: 08/01/25 12:20

Matrix: Solid

Date Received: 08/01/25 15:09

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	115648	08/03/25 16:00	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115668	08/03/25 20:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115758	08/03/25 20:21	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: POKER LAKE UNIT 342 BATTERY

Job ID: 890-8558-1

Client Sample ID: SS 04A

Date Collected: 08/01/25 12:20

Date Received: 08/01/25 15:09

Lab Sample ID: 890-8558-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			115773	08/04/25 12:39	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115677	08/04/25 07:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115705	08/04/25 12:39	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	115658	08/03/25 10:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	115666	08/03/25 19:59	SMC	EET MID

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

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Accreditation/Certification Summary

Client: Ensolum
Project/Site: POKER LAKE UNIT 342 BATTERY

Job ID: 890-8558-1

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: POKER LAKE UNIT 342 BATTERY

Job ID: 890-8558-1

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: POKER LAKE UNIT 342 BATTERY

Job ID: 890-8558-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8558-1	BH 01	Solid	08/01/25 09:55	08/01/25 15:09	0.5
890-8558-2	BH 01A	Solid	08/01/25 10:25	08/01/25 15:09	3
890-8558-3	BH 01B	Solid	08/01/25 10:45	08/01/25 15:09	4
890-8558-4	SS 01	Solid	08/01/25 11:15	08/01/25 15:09	0.5
890-8558-5	SS 01A	Solid	08/01/25 11:35	08/01/25 15:09	4
890-8558-6	SS 04	Solid	08/01/25 12:00	08/01/25 15:09	0.5
890-8558-7	SS 04A	Solid	08/01/25 12:20	08/01/25 15:09	3



Environment Testing

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

Chain of Custody

Work Order No.:

www.xenco.com Page 1 of 1

Project Manager:	Tracy Hillard	Bill to: (if different)	Colton Brown
Company Name:	Ensolum	Company Name:	XTO Energy Inc.
Address:	3122 National Parks Hwy	Address:	3104 E. Green St.
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Carlsbad, NM 88220
Phone:	575-937-3906	Email:	THillard@ensolum.com, TKorrissey@ensolum.com, KHomasz@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: ☐

[illegible][illegible]

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 Ti Sn U V Zr	
TCLP/SPLP 6010:			8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U	Hg: 163.1/245.1/7470/7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>[Signature]</i>	<i>[Signature]</i>	8/1/15 09:20			
2					
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6					

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-8558-1

Login Number: 8558

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: 890-8558-1

Login Number: 8558
List Number: 2
Creator: Rios, Minerva

List Source: Eurofins Midland
List Creation: 08/03/25 03:52 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	



APPENDIX E

Spill Volume Calculation

Location:	PLU 342 Battery	
Spill Date:	4/19/2025	
Incident #:		
Area 1		
Approximate Area =	5822	sq. ft.
Average Saturation (or depth) of spill =	1.00	inches
Average Porosity Factor =	0.25	
VOLUME OF LEAK		
Total Crude Oil =	110.00	bbls
Total Produced Water =		bbls
Area 2		
Approximate Area =		sq. ft.
Average Saturation (or depth) of spill =		inches
VOLUME OF LEAK		
Total Crude Oil =	110.00	bbls
Total Produced Water =		bbls
TOTAL VOLUME OF LEAK		
Total Crude Oil =	110.00	bbls
Total Produced Water =		bbls
TOTAL VOLUME RECOVERED		
Total Crude Oil =	110.00	bbls
Total Produced Water =		bbls

Location:	PLU 342 Battery	
Spill Date:	4/25/2025	
Incident #:	nAPP2511826645	
Area 1		
Approximate Area =	5822	sq. ft.
Average Saturation (or depth) of spill =	1.00	inches
Average Porosity Factor =	0.25	
VOLUME OF LEAK		
Total Crude Oil =		bbls
Total Produced Water =	190.00	bbls
Area 2		
Approximate Area =		sq. ft.
Average Saturation (or depth) of spill =		inches
VOLUME OF LEAK		
Total Crude Oil =		bbls
Total Produced Water =		bbls
TOTAL VOLUME OF LEAK		
Total Crude Oil =		bbls
Total Produced Water =	190.0	bbls
TOTAL VOLUME RECOVERED		
Total Crude Oil =		bbls
Total Produced Water =	190	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

Action 488098

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 488098
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2511826645
Incident Name	NAPP2511826645 PLU 342 BATTERY @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received

Location of Release Source

Please answer all the questions in this group.

Site Name	PLU 342 Battery
Date Release Discovered	04/25/2025
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

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

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. Tank (Any) Produced Water Released: 190 BBL Recovered: 190 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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Oil Conservation Division
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QUESTIONS, Page 2

Action 488098

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 488098
	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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
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: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 07/23/2025
--	---

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QUESTIONS, Page 3

Action 488098

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 488098
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	No
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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

CONDITIONS

Action 488098

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 488098
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	None	7/25/2025

Location:	PLU 342	
Spill Date:	7/12/2025	
Incident #:		
Area 1		
Approximate Area =	5841	sq. ft.
Average Saturation (or depth) of spill =	2.00	inches
Average Porosity Factor =	0.25	
VOLUME OF LEAK		
Total Crude Oil =	9.00	bbls
Total Produced Water =		bbls
Area 2		
Approximate Area =		sq. ft.
Average Saturation (or depth) of spill =		inches
VOLUME OF LEAK		
Total Crude Oil =		bbls
Total Produced Water =		bbls
TOTAL VOLUME OF LEAK		
Total Crude Oil =	9.00	bbls
Total Produced Water =		bbls
TOTAL VOLUME RECOVERED		
Total Crude Oil =	9.00	bbls
Total Produced Water =		bbls

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

QUESTIONS

Action 485512

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 485512
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2519653683
Incident Name	NAPP2519653683 POKER LAKE UNIT 342 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	POKER LAKE UNIT 342 BATTERY
Date Release Discovered	07/12/2025
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

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

Crude Oil Released (bbls) Details	Cause: Human Error Valve Crude Oil Released: 9 BBL Recovered: 9 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)	Not answered.

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QUESTIONS, Page 2

Action 485512

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 485512
	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: 07/16/2025
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QUESTIONS, Page 3

Action 485512

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 485512
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	No
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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CONDITIONS

Action 485512

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 485512
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	None	7/16/2025

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QUESTIONS

Action 519429

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 519429
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2519653683
Incident Name	NAPP2519653683 POKER LAKE UNIT 342 BATTERY @ E-23-24S-30E
Incident Type	Oil Release
Incident Status	Deferral Request Received

Location of Release Source*Please answer all the questions in this group.*

Site Name	POKER LAKE UNIT 342 BATTERY
Date Release Discovered	07/12/2025
Surface Owner	Federal

Incident Details*Please answer all the questions in this group.*

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

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

Crude Oil Released (bbls) Details	Cause: Human Error Valve Crude Oil Released: 9 BBL Recovered: 9 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)	Not answered.

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QUESTIONS, Page 2

Action 519429

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 519429
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 10/23/2025
--	---

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QUESTIONS, Page 3

Action 519429

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:
	5380
	Action Number: 519429
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (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 1000 (ft.) and ½ (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	3670
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	11625
GRO+DRO (EPA SW-846 Method 8015M)	11220
BTEX (EPA SW-846 Method 8021B or 8260B)	65.9
Benzene (EPA SW-846 Method 8021B or 8260B)	0.3
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	07/12/2025
On what date will (or did) the final sampling or liner inspection occur	08/01/2025
On what date will (or was) the remediation complete(d)	08/01/2025
What is the estimated surface area (in square feet) that will be reclaimed	5342
What is the estimated volume (in cubic yards) that will be reclaimed	594
What is the estimated surface area (in square feet) that will be remediated	5342
What is the estimated volume (in cubic yards) that will be remediated	594
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 519429

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 519429
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	<i>Not answered.</i>
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	<i>Not answered.</i>
(In Situ) Soil Vapor Extraction	<i>Not answered.</i>
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<i>Not answered.</i>
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<i>Not answered.</i>
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<i>Not answered.</i>
Ground Water Abatement pursuant to 19.15.30 NMAC	<i>Not answered.</i>
OTHER (Non-listed remedial process)	Yes
Other Non-listed Remedial Process. Please specify	Impacted soil located directly below a lined containment and production equipment. Inaccessible to excavation without major deconstruction.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 10/23/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 519429

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 519429
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	XTO is requesting deferral of final remediation due to the presence of active production equipment, pumps, produced water and crude oil tanks, and production flowlines located within a lined containment. The impacted soil is limited to the area directly below the lined containment, where remediation would require a major facility deconstruction and multiple weeks of facility shut down due to absence of spill control measures.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	5342
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	594
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (f#) on which this deferral should be granted	fAPP2126357602 POKER LAKE UNIT 342 BATT
Enter the well API (30-) on which this deferral should be granted	Not answered.
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 10/23/2025

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QUESTIONS, Page 6

Action 519429

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 519429
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	485678
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/18/2025
What was the (estimated) number of samples that were to be gathered	15
What was the sampling surface area in square feet	3000

Remediation Closure Request

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

Requesting a remediation closure approval with this submission	No
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CONDITIONS

Action 519429

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 519429
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Deferral approved. Deferral of BH-01A, BH-01B and any remaining contamination under the lined containment is approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time. Incident is for all three: nAPP2511078349, nAPP2511826645, & nAPP2519653683	10/29/2025