

May 15, 2025

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

Re: Remediation Work Plan
New Wave Lobo Frac Booster
Incident Number nAPP2505953548
Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of New Wave Energy (New Wave) and Mewbourne Oil Company (Mewbourne), has prepared the following *Remediation Work Plan* (*Work Plan*) to document delineation activities completed to date and to propose excavation of impacted soil to address a produced water release that occurred at the New Wave Lobo Frac Booster (Site) facility. The purpose of the delineation activities was to define the lateral and vertical extent of impacted soil resulting from the release. The following *Work Plan* proposes to excavate impacted soil and conduct confirmation soil sampling activities.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit M, Section 28, Township 21 South, Range 32 East, in Lea County, New Mexico (32.44444°,-103.68827°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On February 15, 2025, corrosion of a produced water flowline resulted in the release of 78.4 barrels (bbls) of produced water to the surface of a right-of-way and pasture areas. No fluids were recovered. Mewbourne reported the release to the New Mexico Oil Conservation Division (NMOCD) via Notification of Release (NOR) and Initial C-141 Application (C-141) on February 28, 2025. The release was assigned Incident Number nAPP2505953548.

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 estimated to be between 51 and 100 feet below ground surface (bgs) based on the nearest groundwater well data. On June 14, 2024, New Mexico Office of State Engineer (OSE) permitted well (C-04839) was advanced to a depth of 55 feet below ground surface (bgs) approximately 520 feet northeast of the Site to determine the regional depth to groundwater. No groundwater was observed, verifying that depth to water is greater than 55 feet bgs. The Well Record & Log is included in Appendix A

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 3122 National Park Highway | Carlsbad, NM 882200 | ensolum.com

Mewbourne Oil Company Remediation Work Plan New Wave Lobo Frac Booster

The closest continuously flowing or significant watercourse to the Site is a riverine, located approximately 5,993 feet south of the Site. The Site is greater than 200 feet from any 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 1 Closure Criteria (Closure Criteria) apply:

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

TPH: 2,500 mg/kg

Chloride: 10,000 mg/kg

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

SITE ASSESSMENT AND DELINEATION ACTIVITIES

Between March 24 and May 12, 2025, Ensolum personnel conducted Site assessment and delineation activities to evaluate the release extent based on information provided on the C-141 and visual observations. Six delineation soil samples (SS01 through SS06) were collected around the release extent from a depth of 0.5 feet bgs to assess the lateral extent of the release. Eight boreholes (BH01 through BH08) were advanced via hand auger to depths ranging from 1-foot to 4 feet bgs. Discrete delineation soil samples were collected from each borehole at depths ranging from 0.5-feet bgs to 4 feet bgs. The soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Photographic documentation was completed during the Site activities and a photographic log is included in Appendix B. Field screening results and observations for all boreholes advanced were logged on lithologic/soil sampling logs, which are included in Appendix C The release extent and delineation soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2.

The delineation soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico or Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of the following 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 300.0.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for the delineation soil samples SS01 through SS06, collected outside of the release extent, indicated all COC concentrations were in compliance with the Closure Criteria and reclamation requirements, successfully defining the lateral extent of the release. Laboratory analytical results for soil samples BH01, BH02, BH03, BH03A, BH03B, BH05, BH06A, BH06B, BH07A, and BH08 collected at 1-foot bgs indicated chloride concentrations exceeded reclamation requirement



Mewbourne Oil Company Remediation Work Plan New Wave Lobo Frac Booster

standards. Soil samples collected from the terminal depths of all boreholes advanced indicated analytical results in compliance with Closure Criteria and/or reclamation requirement, thus, defining the vertical extent of the release. All other delineation soil samples collected indicated all COC concentrations were below reclamation requirements. Laboratory analytical results are summarized in Table 1 and the Laboratory Analytical Reports & Chain-of-Custody Documentation are presented in Appendix D.

PROPOSED REMEDIATION WORK PLAN

The delineation soil sampling results indicate that chloride impacted soil exists across an estimated 6,125 square-foot area and extends to depths ranging from 1-foot to 4 feet bgs. New Wave and Mewbourne proposes to complete the following remediation activities:

- Excavation of impacted soil to depths ranging from 1-foot to 4 feet bgs, based on delineation soil sample laboratory analytical data. An estimated 530 cubic yards impacted soil will be excavated. The excavated soil will be transferred a New Mexico approved landfill disposal facility for disposal.
- Following the soil removal, 5-point composite confirmation soil samples will be collected at a frequency of every 200 square feet from the floor and sidewalls of the final excavation extent. The 5-point composite samples will be collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. The confirmation soil samples will be handled as described above and submitted to either Cardinal or Eurofins for the same COCs described above. The excavation sidewalls will proceed laterally until all confirmation sidewall soil samples confirm all COC concentrations are compliant with the reclamation requirement.
- Following excavation and a review of confirmation soil sampling results indicating impacted soil
 has been removed, the excavation will be backfilled with locally procured like-material and
 recontoured to match pre-existing Site conditions and reseeded with a BLM approved seed
 mixture.

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

Sincerely, **Ensolum**, **LLC**

Jeremy Reich Project Geologist Tacoma Morrissey, MS Associate Principal

Mouissey

cc: Brock Molander, New Wave
Connor Walker, Mewbourne Operating Company
Jeff Broom, Mewbourne Operating Company
BLM



Mewbourne Oil Company Remediation Work Plan New Wave Lobo Frac Booster

Appendices:

Figure 1 Site Receptor Map

Figure 2 Delineation Soil Sample Locations
Figure 3 Proposed Excavation Extent
Table 1 Soil Sample Analytical Results
Appendix A Referenced Well Records

Appendix B Photographic Log

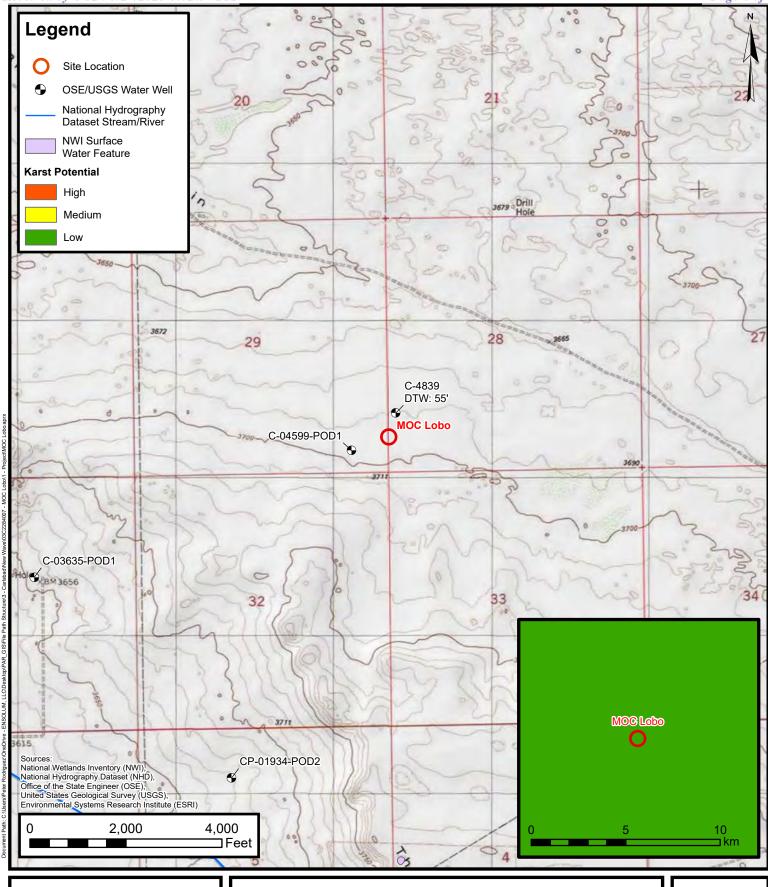
Appendix C Lithologic / Soil Sampling Logs

Appendix D Laboratory Analytical Reports & Chain-of-Custody Documentation





FIGURES

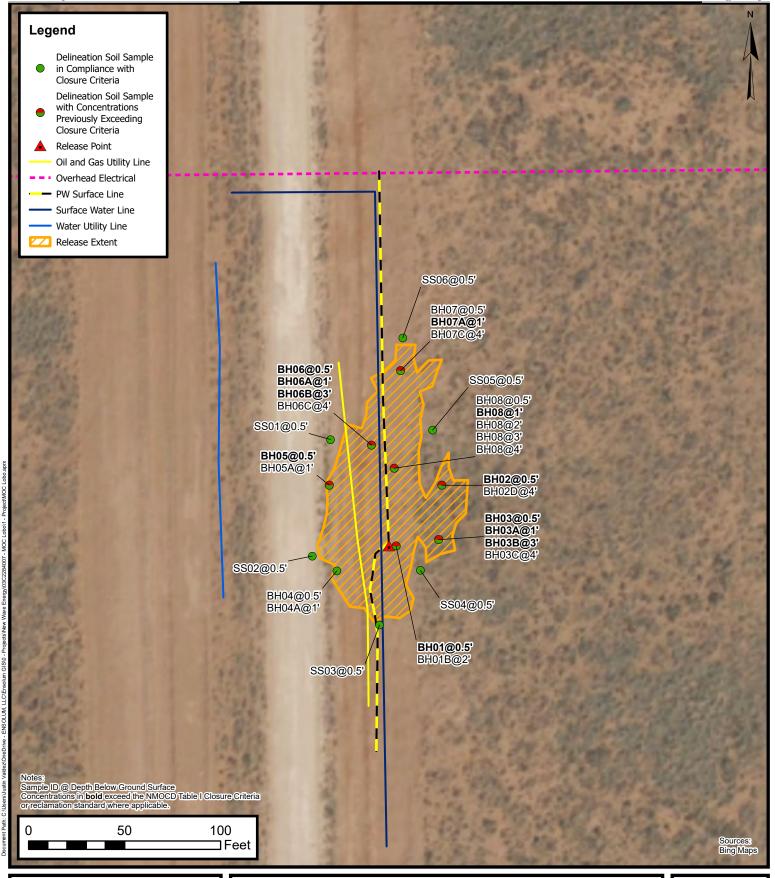




Site Receptor Map

New Wave Energy New Wave Lobo Frac Booster Incident Number: nAPP2505953548

Unit M, Sec 28, T21S, R32E Lea County, New Mexico FIGURE



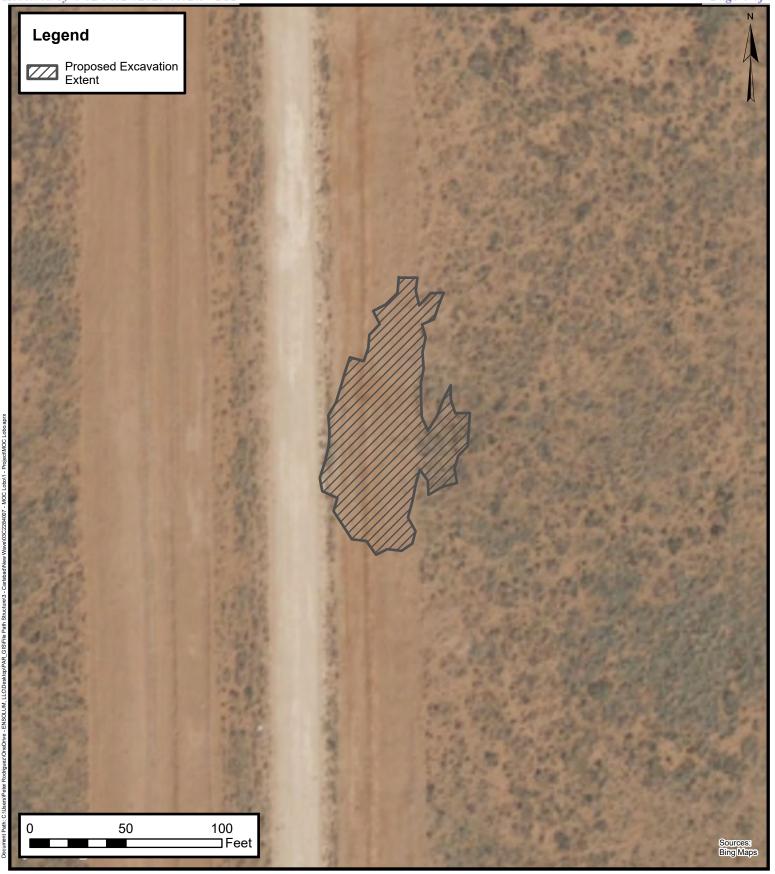


Delineation Soil Sample Locations

New Wave Energy New Wave Lobo Frac Booster Incident Number: nAPP2505953548

> Unit M, Sec 28, T21S, R32E Lea County, New Mexico

FIGURE





Proposed Excavation Extent

New Wave Energy New Wave Lobo Frac Booster Incident Number: nAPP2505953548

Unit M, Sec 28, T21S, R32E Lea County, New Mexico FIGURE



TABLES



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS New Wave Lobo Frac Booster New Wave Energy Lea 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 C	Closure Criteria (NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	10,000
				Deli	neation Soil Sa	mples	·			
SS01	05/12/2025	0.5	<0.00139	<0.00228	<14.5	<15.1	<15.1	<15.1	<15.1	98.4
SS02	05/12/2025	0.5	<0.00138	<0.00226	<14.5	19.1	<15.1	19.1	19.1	481
SS03	05/12/2025	0.5	<0.00139	<0.00228	<14.5	<15.1	<15.1	<15.1	<15.1	110
SS04	05/12/2025	0.5	<0.00138	<0.00226	<14.5	<15.1	<15.1	<15.1	<15.1	245
SS05	05/12/2025	0.5	<0.00140	<0.00229	<14.6	<15.2	<15.2	<15.2	<15.2	311
SS06	05/12/2025	0.5	<0.00138	<0.00226	<14.5	<15.1	<15.1	<15.1	<15.1	152
BH01	03/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	928
BH01B	03/24/2025	2	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
BH02	03/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,920
BH02D	03/24/2025	4	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560
BH03	03/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	864
BH03A	03/24/2025	1	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,200
BH03B	05/02/2025	3	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,570
BH03C	05/02/2025	4	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
BH04	03/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
BH04A	03/24/2025	1	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BH05	03/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,490
BH05A	03/24/2025	1	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
BH06	03/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,260
BH06A	03/24/2025	1	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,760
BH06B	05/02/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	10,000
BH06C	05/02/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,000
BH07	03/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
BH07A	03/24/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,560
BH07B	05/02/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
BH07C	05/02/2025	4	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS New Wave Lobo Frac Booster New Wave Energy Lea 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 CI	osure Criteria (NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	10,000
BH08	03/24/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
BH08	03/24/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,700
BH08	03/24/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
BH08	03/24/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
BH08	03/24/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256

Notes:

bgs: below ground surface mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations in bold exceed the NMOCD Table I Closure Criteria or reclamation

requirement where applicable.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code

Grey text indicates soil sample removed during excavation activities



APPENDIX A

Referenced Well Records



POD I	NO. (WEI	LL NO.1			WELL TAG ID NO.			OSE FILE NO. C 04839	S).				
WELLOV	ON THE ALL	111/61							CN 1413				
			Permian, LLC					432-530-951					
WELL OV	VNER MA	ILING	ADDRESS					CITY		STATE		ZIP	
11612 T	ower Re	oad						Midland	TX 79707				
WE			D	EGREES	MINUTES	SECON							
LOCAT		LATI	TUDE	32	26	44.8	N		REQUIRED: ONE TEN QUIRED: WGS 84	TH OF A S	SECOND		
II KON	111-111	LONG	GITUDE	103	41	15.7	8 W						
			WELL LOCATION TO 28, T21S, R32E		ESS AND COMMON	LANDMA	RKS - PLS	S (SECTION, TO	WNSHJIP, RANGE) WI	IERE AVA	ILABLE		
LICENSE	NO.	-	NAME OF LICENSEI	DRILLER					NAME OF WELL DR	ILLING CO	OMPANY		
	755				John Norris					ngry Hor			
THELIN	STARTI	ED.	DRILLING ENDED	DEPTH OF COM	PLETED WELL (FT		BORE HO	LE DEPTH (FT)	DEPTH WATER FIR	ST ENCOU	INTERED (FT		
6/	14/24		6/14/24					55		NA			
COMPLE	TED WEL). (S)	ARTESIAN *add		SHALLOW	V (UNCON	NFINED)		WATER LEVEL PLETED WELL	IA I	DATE STATIC N.		
DRILLING	STILUTO:		✓ AIR	MUD	ADDITIVE	S - SPEC	IFY:						
DRILLING	метно	D: [2]	ROTARY HAM	MER [CABLI	TOOL OTHE	R-SPEC	IFY:		CHECK	HERE IF	PITLESS ADA	PTER IS	
DEPT	H (feet l	roly	1	CASING	(ATERIAL AND	OR T							
FROM	BUKE HULE				GRADE		VSING VECTION	CASING INSIDE DIAM.		NG WALL CKNESS	SLOT		
			(inches)		ach easing string, a ections of screen)	ind	1	YPE ling diameter)	(inches)	(i	nches)	(inches	
					No Casing								
	-												
	1									- (OSE DII AUG 15	ROSWI	
											AUG 15	2024	
	-												
				TARE MAN	AD STEAL MANNEY	(11.41)	CDANCE	DACK CITE					
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FROM		го	DIAM. (inches)	*(if using Cent	ralizers for Artesia	n wells- in	ndicate the	spacing below)	(cubic feet)		PLACEN	MENT	
0		10	6		bentoni	te chips			1.96		trem		
10	- 3	55	6		nativ	e soil			8.84		shov	el	
	-			1									
		_											
OSE INT	ERNAL	USE							WELL RECORD		Version 09/2	2/2022)	
NO. C	-48	39	E- 28		POD NO.	1			10.76073				
Constant.	71-	32	26 3	133				WELL TAG II			PAGE	1 OF 2	

1										1
FRO	PTH (feet	TQ TQ	THICKNESS (feet)	INCLUDE WAT	TER-BEARING O	ATERIAL ENCOUR CAVITIES OR FRAC ets to fully describe	CTURE ZONE	S BEA	ATER ARING? S / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
0		15	15	Dark Br	rown, Sandstone	w/Gypsum Fragmen	its, Silty	Y	v N	
15	5	20	5		Tan, Very Fine	Sandstone, Silty		Y	VN	
20)	2.5	5		Brown, Very Fi	ne Sandstone, Silty		Y	✓ N	
25		30	5		Tan, Very Fine	Sandstone, Silty		Y	VN	
30)	45	15	Tan, Ver	y Fine Sandstone	w/Gypsum Fragmer	nts, Silty	Y	∨ N	
45	5	55	10	Brown, Ve	ery Fine Sandstor	e w/Gypsum Fragm	ents, Silty	Y	VN	
								Y	N	
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								Y	N	SE DII ROS AUG 15 202
								Y	N	100 10 202
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	OD USE			OF WATER-BEARIN	NG STRATA: THER - SPECIF	Y:Not tested		TOTAL EST WELL YIEL		0.00
WELI	LTEST			ACH A COPY OF DA ME, AND A TABLE S						
			rele was	e borehole was drille case site. As per NN s present so borehol	40CD, drill a 5 le was plugged	5' borehole, wait 7 per approved plug	72 hours, then ging plan.	gauge for pro	esence of	water. No water
Dean P		S) OF DR	ILL RIG SUPER	VISOR(S) THAT PRO	OVIDED ONSIT	E SUPERVISION O	OF WELL CON	STRUCTION	OTHER I	HAN LICENSEE:
CORR	ECT REC	ORD OF	THE ABOVE D	IES THAT, TO THE ESCRIBED HOLE A DAYS AFTER COM	ND THAT HE O MPLETION OF V	R SHE WILL FILE		RECORD WIT		
	/	W	1 don		John Norris					
	fe	IGNATI	RE OF DRILLE	R / PRINT SIGNED	NAME				DATE	
0	fe	IGNATU	IRE OF DRILLE	R / PRINT SIGNEE	NAME				DATE	
	NTERNAL C-4	USE	RE OF DRILLE	R / PRINT SIGNEE	POD NO.	,	_	LL RECORD &	ŁOG (V	ersion 09/22/2022



APPENDIX B

Photographic Log



Photographic Log

New Wave Energy New Wave Lobo Frac Booster Lea County, New Mexico





Photograph: 1 Date: 2/18/2025

Description: Point of release

View: Southeast

Photograph: 2 Date: 5/12/2025 Description: Soil staining within release extent

View: West



BRG: 145°SE (T) POS: 32.444726, -103.68819 ±9ft ALT: 3582ft

Photograph: 3 Date: 5/2/2025

Description: Delineation activities

View: Northeast

Photograph: 4 Date: 5/2/2025

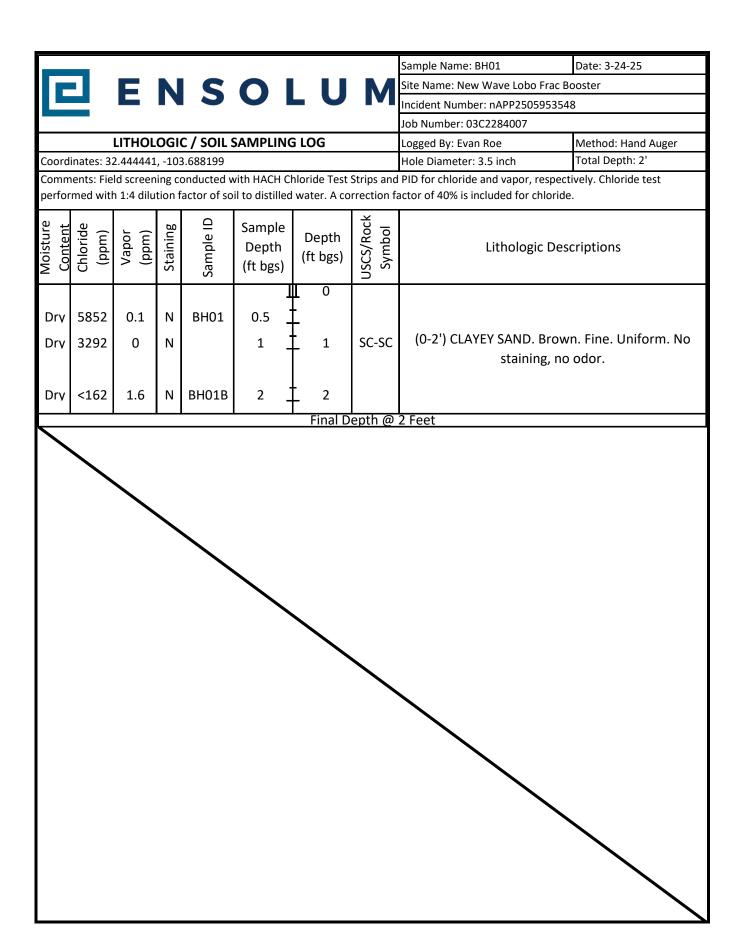
Description: Delineation activities

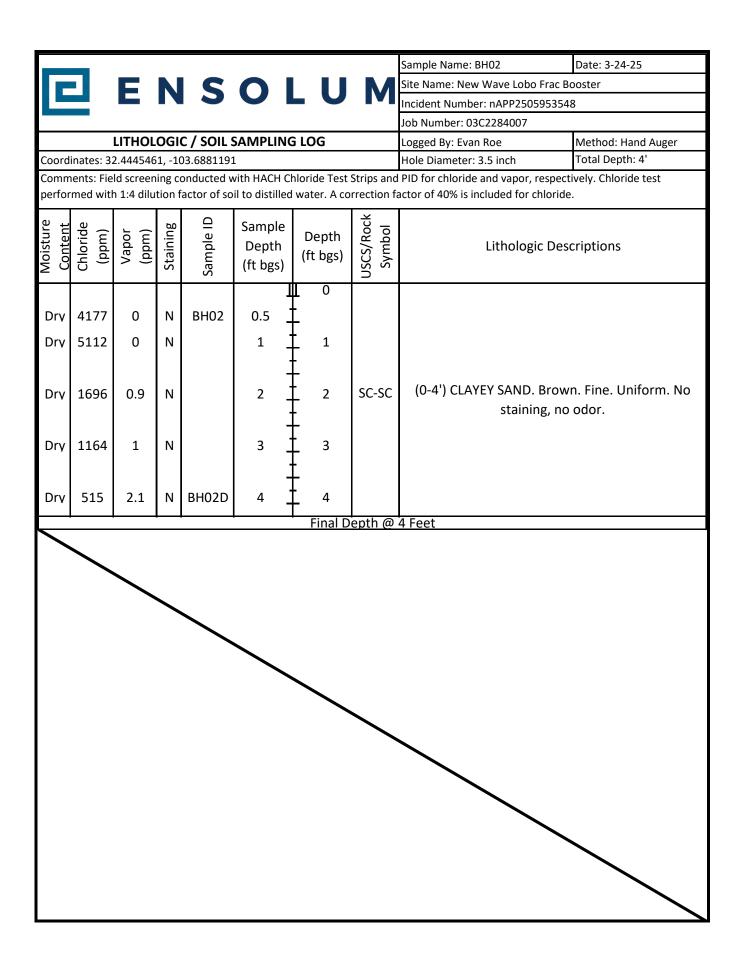
View: Southeast

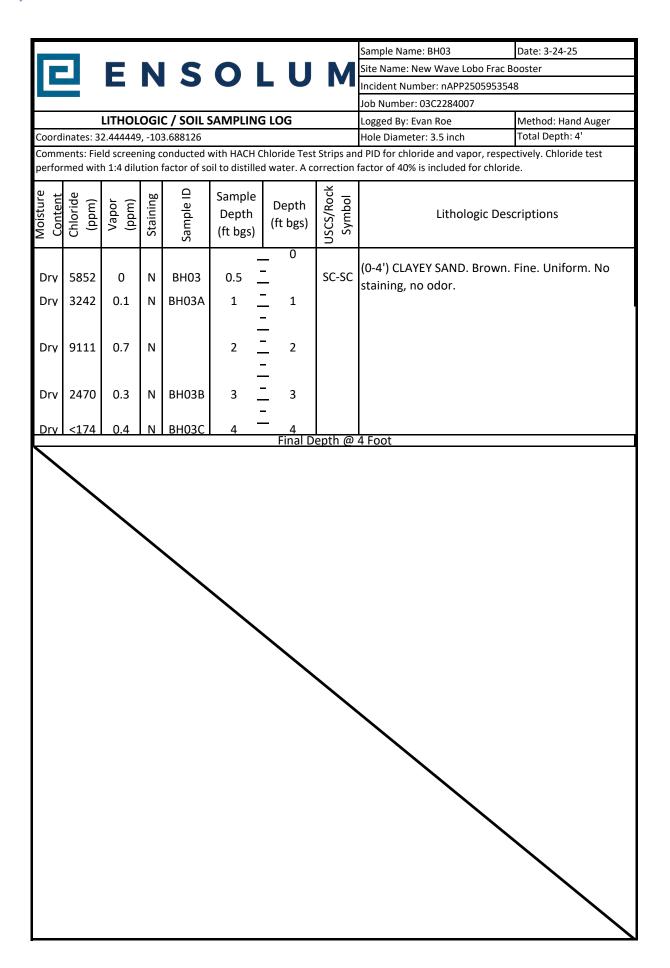


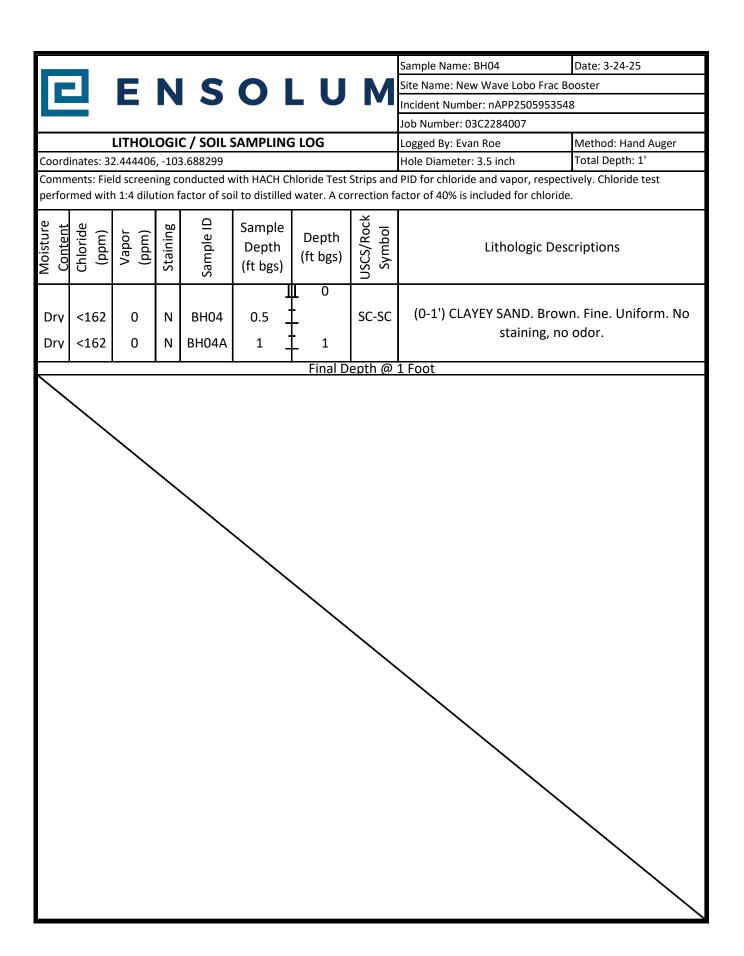
APPENDIX C

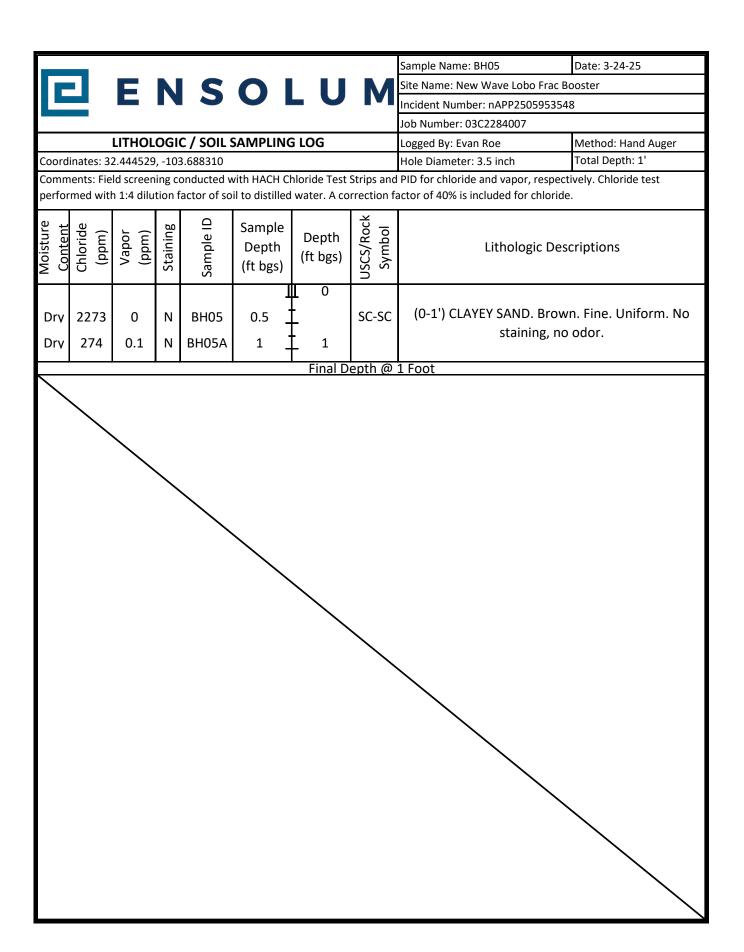
Lithologic Soil Sampling Logs

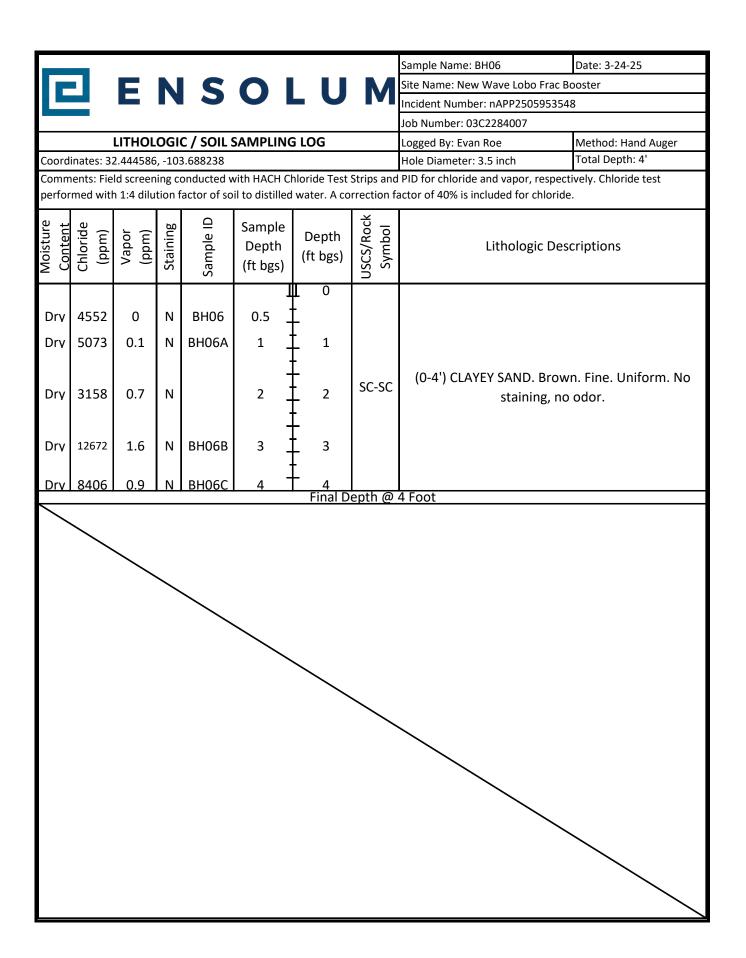


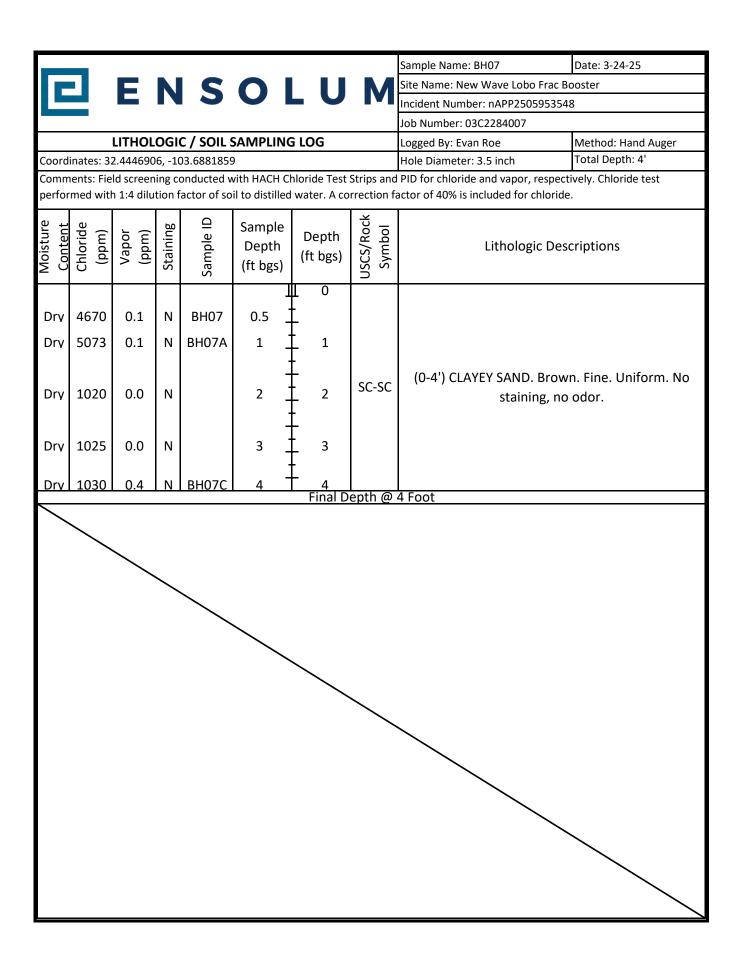


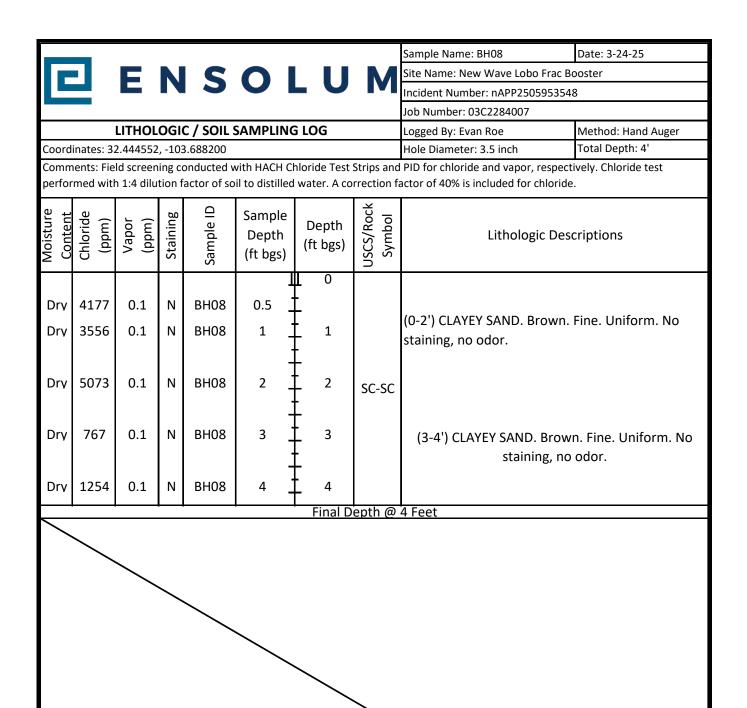














APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



April 02, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: OLD LOBO

Enclosed are the results of analyses for samples received by the laboratory on 03/27/25 13:20.

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

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

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

Celey D. Keene

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025 Sampling Date: 03/24/2025

Reported: 04/02/2025 Sampling Type: Soil

Project Name: OLD LOBO Sampling Condition: Cool & Intact
Project Number: 03C2284007 Sample Received By: Tamara Oldaker

Project Location: NEW WAVE 32.444437-103.688210

Sample ID: BH 01 .5' (H251811-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2025	ND	2.20	110	2.00	4.09	
Toluene*	<0.050	0.050	03/30/2025	ND	2.29	114	2.00	6.99	
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.48	124	2.00	7.89	QM-07
Total Xylenes*	<0.150	0.150	03/30/2025	ND	7.44	124	6.00	7.36	
Total BTEX	<0.300	0.300	03/30/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	03/28/2025	ND	416	104	400	0.00	QM-07
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/28/2025	ND	220	110	200	2.45	
DRO >C10-C28*	<10.0	10.0	03/28/2025	ND	204	102	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/28/2025	ND					
Surrogate: 1-Chlorooctane	98.3	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	93.3	% 40.6-15	3						

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Celey D. Keine



Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025 Sampling Date: 03/24/2025

Reported: 04/02/2025 Sampling Type: Soil

Project Name: OLD LOBO Sampling Condition: Cool & Intact
Project Number: 03C2284007 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NEW WAVE 32.444437-103.688210

mg/kg

Sample ID: BH 01B 2' (H251811-02)

BTEX 8021B

	9/	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2025	ND	2.20	110	2.00	4.09	
Toluene*	<0.050	0.050	03/30/2025	ND	2.29	114	2.00	6.99	
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.48	124	2.00	7.89	
Total Xylenes*	<0.150	0.150	03/30/2025	ND	7.44	124	6.00	7.36	
Total BTEX	<0.300	0.300	03/30/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/28/2025	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/28/2025	ND	220	110	200	2.45	
DRO >C10-C28*	<10.0	10.0	03/28/2025	ND	204	102	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/28/2025	ND					
Surrogate: 1-Chlorooctane	94.6	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	88.2	% 40.6-15	3						

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Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025 Sampling Date: 03/24/2025

Reported: 04/02/2025 Sampling Type: Soil

Project Name: OLD LOBO Sampling Condition: Cool & Intact
Project Number: 03C2284007 Sample Received By: Tamara Oldaker

Project Location: NEW WAVE 32.444437-103.688210

Sample ID: BH 02 .5' (H251811-03)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2025	ND	2.20	110	2.00	4.09	
Toluene*	<0.050	0.050	03/30/2025	ND	2.29	114	2.00	6.99	
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.48	124	2.00	7.89	
Total Xylenes*	<0.150	0.150	03/30/2025	ND	7.44	124	6.00	7.36	
Total BTEX	<0.300	0.300	03/30/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2920	16.0	03/28/2025	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/28/2025	ND	220	110	200	2.45	
DRO >C10-C28*	<10.0	10.0	03/28/2025	ND	204	102	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/28/2025	ND					
Surrogate: 1-Chlorooctane	95.7	% 44.4-14	15						
Surrogate: 1-Chlorooctadecane	92.0	% 40.6-15	3						

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Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025 Sampling Date: 03/24/2025

Reported: 04/02/2025 Sampling Type: Soil

Project Name: OLD LOBO Sampling Condition: Cool & Intact
Project Number: 03C2284007 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: NEW WAVE 32.444437-103.688210

ma/ka

Sample ID: BH 02D 4' (H251811-04)

RTFY 8021R

Result < 0.050	Reporting Limit 0.050	Analyzed 03/30/2025	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
	0.050	03/30/3035						Quac.
-0.050		03/30/2023	ND	2.20	110	2.00	4.09	
< 0.050	0.050	03/30/2025	ND	2.29	114	2.00	6.99	
<0.050	0.050	03/30/2025	ND	2.48	124	2.00	7.89	
<0.150	0.150	03/30/2025	ND	7.44	124	6.00	7.36	
<0.300	0.300	03/30/2025	ND					
116	% 71.5-13	4						
mg	/kg	Analyze	d By: HM					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
560	16.0	03/28/2025	ND	416	104	400	0.00	
mg	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	03/28/2025	ND	220	110	200	2.45	
<10.0	10.0	03/28/2025	ND	204	102	200	1.42	
~10 O	10.0	03/28/2025	ND					
\10.0								
98.1	% 44.4-14.	75						
	Result 560 mg Result <10.0	mg/kg Result Reporting Limit 560 16.0 mg/kg Result Reporting Limit <10.0 10.0 <10.0 10.0	mg/kg Analyzed Result Reporting Limit Analyzed 560 16.0 03/28/2025 mg/kg Analyzed Result Reporting Limit Analyzed <10.0	mg/kg Analyzed Method Blank Result Reporting Limit Analyzed Method Blank 560 16.0 03/28/2025 ND mg/kg Analyzed Blank Result Reporting Limit Analyzed Method Blank <10.0	mg/kg Analyzed By: HM Result Reporting Limit Analyzed Method Blank BS 560 16.0 03/28/2025 ND 416 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS <10.0	mg/kg Analyzed By: HM Result Reporting Limit Analyzed Method Blank BS % Recovery 560 16.0 03/28/2025 ND 416 104 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery <10.0	mg/kg Analyzed By: HM Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 560 16.0 03/28/2025 ND 416 104 400 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <10.0	mg/kg Analyzed By: HM Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 560 16.0 03/28/2025 ND 416 104 400 0.00 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <10.0

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03/24/2025

Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025 Sampling Date:

Reported: 04/02/2025 Sampling Type: Soil

Project Name: OLD LOBO Sampling Condition: Cool & Intact
Project Number: 03C2284007 Sample Received By: Tamara Oldaker

Project Location: NEW WAVE 32.444437-103.688210

Sample ID: BH 03 .5' (H251811-05)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2025	ND	2.20	110	2.00	4.09	
Toluene*	<0.050	0.050	03/30/2025	ND	2.29	114	2.00	6.99	
Ethylbenzene*	< 0.050	0.050	03/30/2025	ND	2.48	124	2.00	7.89	
Total Xylenes*	<0.150	0.150	03/30/2025	ND	7.44	124	6.00	7.36	
Total BTEX	<0.300	0.300	03/30/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	03/28/2025	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/28/2025	ND	220	110	200	2.45	
DRO >C10-C28*	<10.0	10.0	03/28/2025	ND	204	102	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/28/2025	ND					
Surrogate: 1-Chlorooctane	96.3	% 44.4-14	15						
Surrogate: 1-Chlorooctadecane	91.5	% 40.6-15	3						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025 Sampling Date: 03/24/2025

Reported: 04/02/2025 Sampling Type: Soil

Project Name: OLD LOBO Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 03C2284007

Project Location: NEW WAVE 32.444437-103.688210

Sample ID: BH 03A 1' (H251811-06)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2025	ND	2.20	110	2.00	4.09	
Toluene*	<0.050	0.050	03/30/2025	ND	2.29	114	2.00	6.99	
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.48	124	2.00	7.89	
Total Xylenes*	<0.150	0.150	03/30/2025	ND	7.44	124	6.00	7.36	
Total BTEX	<0.300	0.300	03/30/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3200	16.0	03/28/2025	ND	416	104	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/28/2025	ND	220	110	200	2.45	
DRO >C10-C28*	<10.0	10.0	03/28/2025	ND	204	102	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/28/2025	ND					
Surrogate: 1-Chlorooctane	99.0	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	94.5	% 40.6-15	3						

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Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025 Sampling Date: 03/24/2025

Reported: 04/02/2025 Sampling Type: Soil

Project Name: OLD LOBO Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C2284007 Tamara Oldaker

Project Location: NEW WAVE 32.444437-103.688210

Sample ID: BH 04 .5' (H251811-07)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2025	ND	2.20	110	2.00	4.09	
Toluene*	<0.050	0.050	03/30/2025	ND	2.29	114	2.00	6.99	
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.48	124	2.00	7.89	
Total Xylenes*	<0.150	0.150	03/30/2025	ND	7.44	124	6.00	7.36	
Total BTEX	<0.300	0.300	03/30/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/28/2025	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/28/2025	ND	220	110	200	2.45	
DRO >C10-C28*	<10.0	10.0	03/28/2025	ND	204	102	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/28/2025	ND					
Surrogate: 1-Chlorooctane	91.4	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	86.0	% 40.6-15	3						

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Celey D. Keene



Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025 Sampling Date:

03/24/2025

Soil

Reported: 04/02/2025 Project Name: OLD LOBO

Sampling Type: Sampling Condition:

Cool & Intact

Project Number: 03C2284007 Sample Received By:

Tamara Oldaker

Project Location:

NEW WAVE 32.444437-103.688210

Sample ID: BH 04A 1' (H251811-08)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2025	ND	2.20	110	2.00	4.09	
Toluene*	<0.050	0.050	03/30/2025	ND	2.29	114	2.00	6.99	
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.48	124	2.00	7.89	
Total Xylenes*	<0.150	0.150	03/30/2025	ND	7.44	124	6.00	7.36	
Total BTEX	<0.300	0.300	03/30/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/28/2025	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/28/2025	ND	220	110	200	2.45	
DRO >C10-C28*	<10.0	10.0	03/28/2025	ND	204	102	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/28/2025	ND					
Surrogate: 1-Chlorooctane	102 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	96.0	% 40.6-15	3						

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Celey D. Keene



Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025 Sampling Date: 03/24/2025

Reported: 04/02/2025 Sampling Type: Soil

Project Name: OLD LOBO Sampling Condition: Cool & Intact
Project Number: 03C2284007 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: NEW WAVE 32.444437-103.688210

ma/ka

Sample ID: BH 05 .5' (H251811-09)

RTFY 8021R

BIEX 8021B	тд/кд		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2025	ND	2.20	110	2.00	4.09	
Toluene*	<0.050	0.050	03/30/2025	ND	2.29	114	2.00	6.99	
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.48	124	2.00	7.89	
Total Xylenes*	<0.150	0.150	03/30/2025	ND	7.44	124	6.00	7.36	
Total BTEX	<0.300	0.300	03/30/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 % 71.5-13		4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1490	16.0	03/28/2025	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/28/2025	ND	220	110	200	2.45	
DRO >C10-C28*	<10.0	10.0	03/28/2025	ND	204	102	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/28/2025	ND					
Surrogate: 1-Chlorooctane	99.0	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	93.5	% 40.6-15	3						

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Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025 Sampling Date: 03/24/2025

Reported: 04/02/2025 Sampling Type: Soil

Project Name: OLD LOBO Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 03C2284007

Project Location: NEW WAVE 32.444437-103.688210

Sample ID: BH 05A 1' (H251811-10)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2025	ND	2.20	110	2.00	4.09	
Toluene*	<0.050	0.050	03/30/2025	ND	2.29	114	2.00	6.99	
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.48	124	2.00	7.89	
Total Xylenes*	<0.150	0.150	03/30/2025	ND	7.44	124	6.00	7.36	
Total BTEX	<0.300	0.300	03/30/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/28/2025	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/28/2025	ND	220	110	200	2.45	
DRO >C10-C28*	<10.0	10.0	03/28/2025	ND	204	102	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/28/2025	ND					
Surrogate: 1-Chlorooctane	91.1	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	86.0	% 40.6-15	3						

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Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025 Sampling Date: 03/24/2025

Reported: 04/02/2025 Sampling Type: Soil

Project Name: OLD LOBO Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 03C2284007

Project Location: NEW WAVE 32.444437-103.688210

Sample ID: BH 06 .5' (H251811-11)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2025	ND	2.20	110	2.00	4.09	
Toluene*	<0.050	0.050	03/30/2025	ND	2.29	114	2.00	6.99	
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.48	124	2.00	7.89	
Total Xylenes*	<0.150	0.150	03/30/2025	ND	7.44	124	6.00	7.36	
Total BTEX	<0.300	0.300	03/30/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1260	16.0	03/28/2025	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/28/2025	ND	220	110	200	2.45	
DRO >C10-C28*	<10.0	10.0	03/28/2025	ND	204	102	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/28/2025	ND					
Surrogate: 1-Chlorooctane	89.4	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	84.8	% 40.6-15	3						

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Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025

Sampling Date: 03/24/2025 Sampling Type: Soil

Project Name: OLD LOBO
Project Number: 03C2284007

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Location: NEW WAVE 32.444437-103.688210

04/02/2025

Sample ID: BH 06A 1' (H251811-12)

Reported:

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2025	ND	2.20	110	2.00	4.09	
Toluene*	<0.050	0.050	03/30/2025	ND	2.29	114	2.00	6.99	
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.48	124	2.00	7.89	
Total Xylenes*	<0.150	0.150	03/30/2025	ND	7.44	124	6.00	7.36	
Total BTEX	<0.300	0.300	03/30/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2760	16.0	03/28/2025	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/28/2025	ND	220	110	200	2.45	
DRO >C10-C28*	<10.0	10.0	03/28/2025	ND	204	102	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/28/2025	ND					
Surrogate: 1-Chlorooctane	93.7	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	89.0	% 40.6-15	3						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025 Sampling Date: 03/24/2025

Reported: 04/02/2025 Sampling Type: Soil

Project Name: OLD LOBO Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 03C2284007

Project Location: NEW WAVE 32.444437-103.688210

Sample ID: BH 07 .5' (H251811-13)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2025	ND	2.20	110	2.00	4.09	
Toluene*	<0.050	0.050	03/30/2025	ND	2.29	114	2.00	6.99	
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.48	124	2.00	7.89	
Total Xylenes*	<0.150	0.150	03/30/2025	ND	7.44	124	6.00	7.36	
Total BTEX	<0.300	0.300	03/30/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/28/2025	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/28/2025	ND	220	110	200	2.45	
DRO >C10-C28*	<10.0	10.0	03/28/2025	ND	204	102	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/28/2025	ND					
Surrogate: 1-Chlorooctane	94.8	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	91.4	% 40.6-15	3						

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03/24/2025

Soil

Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025 Sampling Date:

Project Name: OLD LOBO Sampling Condition: Cool & Intact
Project Number: 03C2284007 Sample Received By: Tamara Oldaker

Sampling Type:

Project Location: NEW WAVE 32.444437-103.688210

04/02/2025

Sample ID: BH 07A 1' (H251811-14)

Reported:

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2025	ND	2.20	110	2.00	4.09	
Toluene*	<0.050	0.050	03/30/2025	ND	2.29	114	2.00	6.99	
Ethylbenzene*	< 0.050	0.050	03/30/2025	ND	2.48	124	2.00	7.89	
Total Xylenes*	<0.150	0.150	03/30/2025	ND	7.44	124	6.00	7.36	
Total BTEX	<0.300	0.300	03/30/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3560	16.0	03/28/2025	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/28/2025	ND	220	110	200	2.45	
DRO >C10-C28*	<10.0	10.0	03/28/2025	ND	204	102	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/28/2025	ND					
Surrogate: 1-Chlorooctane	93.6	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	89.2	% 40.6-15	3						

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Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025 Sampling Date: 03/24/2025

Reported: 04/02/2025 Sampling Type: Soil

Project Name: OLD LOBO Sampling Condition: Cool & Intact
Project Number: 03C2284007 Sample Received By: Tamara Oldaker

Project Location: NEW WAVE 32.444437-103.688210

Sample ID: BH 08 .5' (H251811-15)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2025	ND	2.20	110	2.00	4.09	
Toluene*	<0.050	0.050	03/30/2025	ND	2.29	114	2.00	6.99	
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.48	124	2.00	7.89	
Total Xylenes*	<0.150	0.150	03/30/2025	ND	7.44	124	6.00	7.36	
Total BTEX	<0.300	0.300	03/30/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	03/28/2025	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/28/2025	ND	220	110	200	2.45	
DRO >C10-C28*	<10.0	10.0	03/28/2025	ND	204	102	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/28/2025	ND					
Surrogate: 1-Chlorooctane	98.2	% 44.4-14	15						
Surrogate: 1-Chlorooctadecane	94.8	% 40.6-15	3						

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Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025 Sampling Date: 03/24/2025

Reported: 04/02/2025 Sampling Type: Soil

Project Name: OLD LOBO Sampling Condition: Cool & Intact
Project Number: 03C2284007 Sample Received By: Tamara Oldaker

Project Location: NEW WAVE 32.444437-103.688210

Sample ID: BH 08 1' (H251811-16)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2025	ND	2.20	110	2.00	4.09	
Toluene*	<0.050	0.050	03/30/2025	ND	2.29	114	2.00	6.99	
Ethylbenzene*	< 0.050	0.050	03/30/2025	ND	2.48	124	2.00	7.89	
Total Xylenes*	<0.150	0.150	03/30/2025	ND	7.44	124	6.00	7.36	
Total BTEX	<0.300	0.300	03/30/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1700	16.0	03/28/2025	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/28/2025	ND	220	110	200	2.45	
DRO >C10-C28*	<10.0	10.0	03/28/2025	ND	204	102	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/28/2025	ND					
Surrogate: 1-Chlorooctane	97.5	% 44.4-14	15						
Surrogate: 1-Chlorooctadecane	91.9	% 40.6-15	3						

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Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025 Sampling Date: 03/24/2025

Reported: 04/02/2025 Sampling Type: Soil

Project Name: OLD LOBO Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C2284007 Tamara Oldaker

Project Location: NEW WAVE 32.444437-103.688210

Sample ID: BH 08 2' (H251811-17)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2025	ND	2.20	110	2.00	4.09	
Toluene*	<0.050	0.050	03/30/2025	ND	2.29	114	2.00	6.99	
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.48	124	2.00	7.89	
Total Xylenes*	<0.150	0.150	03/30/2025	ND	7.44	124	6.00	7.36	
Total BTEX	<0.300	0.300	03/30/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 %	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	03/28/2025	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/28/2025	ND	220	110	200	2.45	
DRO >C10-C28*	<10.0	10.0	03/28/2025	ND	204	102	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/28/2025	ND					
Surrogate: 1-Chlorooctane	87.9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	84.6	% 40.6-15	3						

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Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025

Sampling Date:

Reported: 04/02/2025 Project Name: OLD LOBO Sampling Type: Soil

Project Number: 03C2284007

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

03/24/2025

Project Location: NEW WAVE 32.444437-103.688210

ma/ka

Sample ID: BH 08 3' (H251811-18)

RTFY 8021R

	mg,	9		a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/31/2025	ND	1.80	89.9	2.00	0.147	
Toluene*	<0.050	0.050	03/31/2025	ND	1.87	93.3	2.00	0.802	
Ethylbenzene*	<0.050	0.050	03/31/2025	ND	1.88	93.8	2.00	1.12	
Total Xylenes*	<0.150	0.150	03/31/2025	ND	5.81	96.9	6.00	0.864	
Total BTEX	<0.300	0.300	03/31/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/28/2025	ND	416	104	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/28/2025	ND	220	110	200	2.45	
DRO >C10-C28*	<10.0	10.0	03/28/2025	ND	204	102	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/28/2025	ND					
Surrogate: 1-Chlorooctane	91.1	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	86.5	% 40.6-15	3						

Analyzed By: 14

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Celey D. Keine



Analytical Results For:

ENSOLUM, LLC JEREMY REICH 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 03/27/2025

Sampling Date:

03/24/2025

Reported: 04/02/2025 Project Name: OLD LOBO Sampling Type: Sampling Condition: Soil Cool & Intact

Project Number: 03C2284007

Sample Received By:

Tamara Oldaker

Project Location: NEW WAVE 32.444437-103.688210

Sample ID: BH 08 4' (H251811-19)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/31/2025	ND	1.80	89.9	2.00	0.147	
Toluene*	<0.050	0.050	03/31/2025	ND	1.87	93.3	2.00	0.802	
Ethylbenzene*	<0.050	0.050	03/31/2025	ND	1.88	93.8	2.00	1.12	
Total Xylenes*	<0.150	0.150	03/31/2025	ND	5.81	96.9	6.00	0.864	
Total BTEX	<0.300	0.300	03/31/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	03/28/2025	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/28/2025	ND	220	110	200	2.45	
DRO >C10-C28*	<10.0	10.0	03/28/2025	ND	204	102	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/28/2025	ND					
Surrogate: 1-Chlorooctane	89.1	% 44.4-14	25						
Surrogate: 1-Chlorooctadecane	83.7	% 40.6-15	3						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476

Company Name: Franklin						
company vame: Ensolum, LLC			BILL TO		A	ANALYSIS REQUEST
Project Manager: Jeremy Reich	٦	F	P.O. #:			
Address: 601 N Marienfeld Street, Suite 400	et, Suite 400	0	Company: Ensolum LLC	С		
City: Midland	State: TX	Zip: 79701	Attn: Jeremy Reich			
Phone #: 432-296-0627	Fax #:		26	reet, Suite 400		
Project #: 03C2284007	Project Owner:	New Wave	City: Midland			
Project Name: Old Lobo				01		
Project Location: 32.44	32.444437103.688210		32-29	27		
Sampler Name: Evan Roe			Fax #:			
FOR LAB USE ONLY		MATRIX	ESERV.	SAMPLING		
Lab I.D. Sample I.D.	Depth (feet)	AB OR (C)OMP. ONTAINERS DUNDWATER STEWATER DOGE ER:	MBASE: COOL F ER:	H 8015	oride 4500	
101811		# CO GR WA SO OIL	AC	_		
P BHO!	6:01		√ 3-24-25	N 160		
3 BH02	1	3 0	3-24-25	× × 550	. <	
4 BHOLD	7	G 1	3-24-25	12/2	\ <<	
S BHC3	.5	G 1	3-24-25		,	
6 BHC3A	1	G 1	3-24-25		<<	
7 BHOY	:51	G 1 V	3-24-25	120 0	< .	
S BHO4 &		G 1	√ 3-24-25	1124 /	<.	
BHACA	.5	G	V 3-24-25	1 / (n)	<	
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Relinquished By:	Date: 97.95	Received By:	sed upon any of the above stated rea	ılt:	(O)	Add'l Phone #:
OM R	Time:	Monday	Make	All Results are emailed. BBelill@ensolum.com,	-1	Please provide Email address: : jreich@ensolum.com TMorrissey@ensolum.com, THillard@ensolum.com
Nemiquished by:	Date:	received By:	J.	REMARKS:		
Delivered By: (Circle One)	Observed Tamp. "C	Samp	BY:	Turnaround Time:	Standard	Bacteria (only) S
Sampler - UPS - Bus - Other:	Corrected Temp. "C	Yes Yes	(Initials)	Thermometer ID #13	•	_

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum 110						~	
Company rame. Ensolutil, EEC			BILL TO	,	Þ	ANALYSIS REQ	REQUEST
Project Manager: Jeremy Reich			P.O. #:				
Address: 601 N Marienfeld Street, Suite 400	uite 400		Company: Ensolum LLC	ПС			
City: Midland	State: TX Zip:	Zip: 79701	Attn: Jeremy Reich				
Phone #: 432-296-0627	Fax #:		100	Street, Suite 400			
Project #: 03C2284007	Project Owner: Nev	New Wave	City: Midland				
Project Name: Old Lobo			.,	9701			
Project Location: 32,444437.	37103.688210		$\frac{\omega}{\omega}$)627			
Sampler Name: Evan Roe			Fax #:				
FOR LAB USE ONLY	P.	MATRIX	ESERV.	SAMPLING			
Lab I.D. Sample I.D.	(feet) (G)RAB OR (C)OMF	GROUNDWATER WASTEWATER SOIL DIL SLUDGE	ACID/BASE: CE/COOL COTHER:	TPH 8015	BTEX 8021 Chloride 4500		
BH	.5 G	<	3	-	< <		
, ,	1 G	<	V 3-24-25	5 1236 V	< <		
13 BH07	.5 G 1	<	V 3-24-25	5 1245 V	< <		
-		<	√ 3-24-25	12491	< <		
100 HD		<	√ 3-24-25	-	<		
1 BL 04	3 4	. <	V 3-24-25	-	<		
18 BH 08		<<	V 3 24 25	. 2	× ×		
19 BH 08		<	V 3-24-25	-	< <		
Damages, Cardinal's liability a those for negligence and any linal be liable for incidental or out of or related to the perform	and client's exclusive remedy for any claim art other cause whatsoever shall be deemed wa consequental damages, including without limmance of services hereunder by Cardinal, rep	arising whether based in contract or tort, shall be limited to the am walved unless made in witing and received by Cardinal within 30 of limitation, business interruptions, loss of use, or loss of profits incurrently the profits incurrently the solution of the above a reparalless of whether such claim is based upon any of the above a	redy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the shall be deemed valved unless made in witing and received by Cardinal within 30 days after completion of the applicable including without limitation, business interruptions, loss of use, or loss of portis incurred by client, its subcidiaries, incler by Cardinal regardless of whether such claims is based upon any of the above stated reasons or otherwise.	ount paid by the client for the lays after completion of the applicable med by client, its subsidiaries, tailed reasons or otherwise.			
Relinquished By:	Date: Rece	111 :	Madelle	Verbal Result:	- 60	s □ No Add'I Phone #: Please provide Email address: : jreich@ens TMorrissey@ensolum.com, THillard@ensolum.com	No Add'I Phone #: Please provide Email address: : jreich@ensolum.com Morrissey@ensolum.com, THillard@ensolum.com
da d		received by:		REMARKS:			
Delivered By: (Circle One) Ob- Sampler - UPS - Bus - Other: Co	Corrected Temp. "C 3:12	Sample Condition Cool Mitact Yes Tyes	(Initials)	Turnaround Time:	Standard Rush	_	Bacteria (only) Sample Condition Cool Infact Observed Temp. °C ☐ Yes ☐ Yes
10KW-000 K 3.2 10/0//21	† Cardinal cannot a	accept verbal chan	Cardinal cannot accept verbal changes. Please email changes to celey keene@cardinallabsnm.com	anges to celey.kee	ene@cardinallabsn	n.com	collected lemp, c



May 06, 2025

JEREMY REICH

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: MOC LOBO

Enclosed are the results of analyses for samples received by the laboratory on 05/05/25 12:20.

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

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 05/05/2025 Sampling Date: 05/02/2025

Reported: 05/06/2025 Sampling Type: Soil

Project Name: MOC LOBO Sampling Condition: Cool & Intact Project Number: 03C2284007 Sample Received By: Tamara Oldaker

Project Location: NEW WAVE 32.444437-103.688210

Sample ID: BH 03 B 3' (H252660-01)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2025	ND	1.96	97.9	2.00	10.3	QM-07
Toluene*	<0.050	0.050	05/05/2025	ND	1.98	98.9	2.00	8.53	
Ethylbenzene*	<0.050	0.050	05/05/2025	ND	1.95	97.6	2.00	12.6	
Total Xylenes*	<0.150	0.150	05/05/2025	ND	6.03	101	6.00	15.7	
Total BTEX	<0.300	0.300	05/05/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1570	16.0	05/05/2025	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2025	ND	190	95.1	200	1.18	
DRO >C10-C28*	<10.0	10.0	05/05/2025	ND	200	99.8	200	0.947	
EXT DRO >C28-C36	<10.0	10.0	05/05/2025	ND					
Surrogate: 1-Chlorooctane	87.0	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	88.0	% 40.6-15	3						

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Celey D. Keene



Analytical Results For:

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

Received: 05/05/2025 Sampling Date: 05/02/2025

Reported: 05/06/2025 Sampling Type: Soil

Project Name: MOC LOBO Sampling Condition: Cool & Intact
Project Number: 03C2284007 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NEW WAVE 32.444437-103.688210

mg/kg

Sample ID: BH 03 C 4' (H252660-02)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2025	ND	1.96	97.9	2.00	10.3	
Toluene*	<0.050	0.050	05/05/2025	ND	1.98	98.9	2.00	8.53	
Ethylbenzene*	<0.050	0.050	05/05/2025	ND	1.95	97.6	2.00	12.6	
Total Xylenes*	<0.150	0.150	05/05/2025	ND	6.03	101	6.00	15.7	
Total BTEX	<0.300	0.300	05/05/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	05/05/2025	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2025	ND	190	95.1	200	1.18	
DRO >C10-C28*	<10.0	10.0	05/05/2025	ND	200	99.8	200	0.947	
EXT DRO >C28-C36	<10.0	10.0	05/05/2025	ND					
Surrogate: 1-Chlorooctane	82.2	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	78.5	% 40.6-15	3						

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Celey D. Keine



Analytical Results For:

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

Received: 05/05/2025 Sampling Date: 05/02/2025

Reported: 05/06/2025 Sampling Type: Soil

Project Name: MOC LOBO Sampling Condition: Cool & Intact
Project Number: 03C2284007 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NEW WAVE 32.444437-103.688210

mg/kg

Sample ID: BH 06 B 3' (H252660-03)

BTEX 8021B

DILX GOZID	mg/	ng .	Andryzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2025	ND	1.96	97.9	2.00	10.3	
Toluene*	<0.050	0.050	05/05/2025	ND	1.98	98.9	2.00	8.53	
Ethylbenzene*	<0.050	0.050	05/05/2025	ND	1.95	97.6	2.00	12.6	
Total Xylenes*	<0.150	0.150	05/05/2025	ND	6.03	101	6.00	15.7	
Total BTEX	<0.300	0.300	05/05/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10000	16.0	05/05/2025	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2025	ND	190	95.1	200	1.18	
DRO >C10-C28*	<10.0	10.0	05/05/2025	ND	200	99.8	200	0.947	
EXT DRO >C28-C36	<10.0	10.0	05/05/2025	ND					
Surrogate: 1-Chlorooctane	84.5	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	81.8	% 40.6-15	3						

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Celey D. Keene



Analytical Results For:

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

Received: 05/05/2025 Sampling Date: 05/02/2025

Reported: 05/06/2025 Sampling Type: Soil

Project Name: MOC LOBO Sampling Condition: Cool & Intact
Project Number: 03C2284007 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NEW WAVE 32.444437-103.688210

mg/kg

Sample ID: BH 06 C 4' (H252660-04)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2025	ND	1.96	97.9	2.00	10.3	
Toluene*	<0.050	0.050	05/05/2025	ND	1.98	98.9	2.00	8.53	
Ethylbenzene*	<0.050	0.050	05/05/2025	ND	1.95	97.6	2.00	12.6	
Total Xylenes*	<0.150	0.150	05/05/2025	ND	6.03	101	6.00	15.7	
Total BTEX	<0.300	0.300	05/05/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	05/05/2025	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2025	ND	190	95.1	200	1.18	
DRO >C10-C28*	<10.0	10.0	05/05/2025	ND	200	99.8	200	0.947	
EXT DRO >C28-C36	<10.0	10.0	05/05/2025	ND					
Surrogate: 1-Chlorooctane	88.7	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	85.3	% 40.6-15	3						

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Celey D. Keine



Analytical Results For:

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

Received: 05/05/2025 Sampling Date: 05/02/2025

Reported: 05/06/2025 Sampling Type: Soil

Project Name: MOC LOBO Sampling Condition: Cool & Intact
Project Number: 03C2284007 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NEW WAVE 32.444437-103.688210

mg/kg

Sample ID: BH 07 B 3' (H252660-05)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Allulyzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2025	ND	1.96	97.9	2.00	10.3	
Toluene*	<0.050	0.050	05/05/2025	ND	1.98	98.9	2.00	8.53	
Ethylbenzene*	<0.050	0.050	05/05/2025	ND	1.95	97.6	2.00	12.6	
Total Xylenes*	<0.150	0.150	05/05/2025	ND	6.03	101	6.00	15.7	
Total BTEX	<0.300	0.300	05/05/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/05/2025	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2025	ND	190	95.1	200	1.18	
DRO >C10-C28*	<10.0	10.0	05/05/2025	ND	200	99.8	200	0.947	
EXT DRO >C28-C36	<10.0	10.0	05/05/2025	ND					
Surrogate: 1-Chlorooctane	87.6	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	84.0	% 40.6-15	3						

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Celey D. Keene



Analytical Results For:

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

Received: 05/05/2025 Sampling Date: 05/02/2025

Reported: 05/06/2025 Sampling Type: Soil

Project Name: MOC LOBO Sampling Condition: Cool & Intact
Project Number: 03C2284007 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NEW WAVE 32.444437-103.688210

mg/kg

Sample ID: BH 07 C 4' (H252660-06)

BTEX 8021B

	<u> </u>			• •					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2025	ND	1.96	97.9	2.00	10.3	
Toluene*	<0.050	0.050	05/05/2025	ND	1.98	98.9	2.00	8.53	
Ethylbenzene*	<0.050	0.050	05/05/2025	ND	1.95	97.6	2.00	12.6	
Total Xylenes*	<0.150	0.150	05/05/2025	ND	6.03	101	6.00	15.7	
Total BTEX	<0.300	0.300	05/05/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/05/2025	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2025	ND	190	95.1	200	1.18	
DRO >C10-C28*	<10.0	10.0	05/05/2025	ND	200	99.8	200	0.947	
EXT DRO >C28-C36	<10.0	10.0	05/05/2025	ND					
Surrogate: 1-Chlorooctane	86.4	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	81.3	% 40.6-15	3						

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Celey D. Keene



Notes and Definitions

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg D. Freene

FORM-006 R 3.2 10/07/21

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 3	(575) 393-2326 FAX (575) 393-2476	-2476			
Company Name: Ensolum, LLC	n, LLC		BILL TO	ANALYSIS REQUEST	1
Project Manager: Jeremy Reich	y Reich		P.O. #:		_
Address: 3122 National Parks Hwy	arks Hwy		Company: Engoluny		_
City: Carlsbad	State: NM	Zip: 88220	Ана:		_
32	296 0627 Fax #:		Address:		_
Project #: 0301784 007		Project Owner: New Wayl	City:		_
Project Name: MOC	6000		State: Zip:		
9	32.444457, -103.688210	·lo	Phone #:		
Sampler Name: Joshua	la Boxen		Fax #:		
П.		MATRIX	PRESERV. SAMPLING	LING	
0	Sample I.D. Depth	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE/COOL OTHER:	Chlorides TPH BTEX	
	BHOSE 3	Y X	X 52.25	1000	
2us				06 26	
	8H06C 4			0428	
7		2		1025	
6		61 8	\$2.25	1020 A A A	
)dc	W
PLEASE NOTE: Liability and Damages. C analyses. All claims including those for ne	ardinal's liability and client's exclusive remed gligence and any other cause whatsoever si	PLEASE NOTE: Liability and Damagas. Cardinal's liability and client's exclusive remedy for any claim arising whether beased in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after competition of fine applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after competition of fine applicable analyses.	t or fort, shall be limited to the amount paid of the foot of the amount paid of received by Cardinal within 30 days after these of use, or loss of profits incurred by cli	by the client for the completion of the applicable feet, its subaldiaries,	7
Relinquished By:	ated to the performance of services hereunder beate:	25 Received By:	n is based upon any of the above stated that	All Results are emailed. Please provide Email address:	
Relinquished By:	Date:	Received By:		REMARKS: Incident: 14PP 1505 95 3548 Cost Center:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. *C	Sample Condition Cool Intact Yes Yes Yes	cHECKED BY:	Turnaround Time: Cool Intact Cool Intact	

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/14/2025 3:38:46 PM

JOB DESCRIPTION

MOC LOBO 03C2284007

JOB NUMBER

890-8153-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

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

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

Authorization

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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13

14

Client: Ensolum

Project/Site: MOC LOBO

Laboratory Job ID: 890-8153-1 SDG: 03C2284007

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Definitions/Glossary

Job ID: 890-8153-1 Client: Ensolum Project/Site: MOC LOBO SDG: 03C2284007

Qualifiers

GC VOA

U

Qualifier **Qualifier Description** LCS and/or LCSD is outside acceptance limits, low biased. F1 MS and/or MSD recovery exceeds control limits. S1-Surrogate recovery exceeds control limits, low biased.

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description** Compound was found in the blank and sample. Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report. Listed under the "D" column to designate that the result is reported on a dry weight basis %R Percent Recovery

CFL Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid DER

Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

Detection Limit (DoD/DOE) DL

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)

Estimated Detection Limit (Dioxin) **EDL** LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

EPA recommended "Maximum Contaminant Level" MCL Minimum Detectable Activity (Radiochemistry) MDA MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit MI 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 Practical Quantitation Limit **PQL**

PRES Presumptive **Quality Control** QC

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

Eurofins Carlsbad

Released to Imaging: 5/21/2025 4:47:09 PM

Case Narrative

Client: Ensolum Job ID: 890-8153-1 Project: MOC LOBO

Eurofins Carlsbad Job ID: 890-8153-1

Job Narrative 890-8153-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 5/13/2025 4:14 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 2.4°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SS 01 (890-8153-1), SS 02 (890-8153-2), SS 03 (890-8153-3), SS 04 (890-8153-4), SS 05 (890-8153-5) and SS 06 (890-8153-6).

GC VOA

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-110098 and analytical batch 880-110091 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-110098 and analytical batch 880-110091 was outside the control limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-110097 and analytical batch 880-110089 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Diesel Range Organics

Method 8015MOD_NM: The method blank for preparation batch 880-110070 and analytical batch 880-110100 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-110082 and analytical batch 880-110088 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Client Sample Results

Job ID: 890-8153-1 Client: Ensolum Project/Site: MOC LOBO SDG: 03C2284007

Client Sample ID: SS 01

Date Collected: 05/12/25 14:35 Date Received: 05/13/25 16:14

Sample Depth: 0.5

Lab Sample ID: 890-8153-1 **Matrix: Solid**

Method: SW846 8021B - Volatile Organic Compounds (GC) Result Qualifier MDL Unit Dil Fac Analyte RL D Prepared Analyzed 05/14/25 13:42 Benzene <0.00139 U 0.00199 0.00139 mg/Kg 05/14/25 08:48 Toluene <0.00199 U 0.00199 0.00199 mg/Kg 05/14/25 08:48 05/14/25 13:42 Ethylbenzene <0.00108 U 0.00199 0.00108 mg/Kg 05/14/25 13:42 05/14/25 08:48 <0.00228 U *-0.00398 0.00228 mg/Kg 05/14/25 08:48 05/14/25 13:42 m-Xylene & p-Xylene o-Xylene <0.00158 U 0.00199 0.00158 mg/Kg 05/14/25 08:48 05/14/25 13:42 Xylenes, Total <0.00228 U *-0.00398 0.00228 mg/Kg 05/14/25 08:48 05/14/25 13:42 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 05/14/25 13:42 4-Bromofluorobenzene (Surr) 88 70 - 130 05/14/25 08:48 70 - 130 05/14/25 13:42 1,4-Difluorobenzene (Surr) 81 05/14/25 08:48

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Gasoline Range Organics <14.5 U 49.8 14.5 mg/Kg 05/13/25 14:57 05/14/25 11:33 (GRO)-C6-C10 Diesel Range Organics (Over <15.1 U 49.8 15.1 ma/Ka 05/13/25 14:57 05/14/25 11:33 C10-C28) Oil Range Organics (Over C28-C36) <15.1 U 49.8 05/13/25 14:57 05/14/25 11:33 15.1 mg/Kg Total TPH <15.1 U 05/13/25 14:57 05/14/25 11:33 49.8 15.1 mg/Kg %Recovery Qualifier Limits Analyzed Dil Fac Surrogate Prepared 1-Chlorooctane 87 70 - 130 05/13/25 14:57 05/14/25 11:33

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble)					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.4	10.0	0.396 mg/Kg			05/14/25 11:34	1

70 - 130

86

<14.5 U

Lab Sample ID: 890-8153-2 Client Sample ID: SS 02

Date Collected: 05/12/25 14:46 Date Received: 05/13/25 16:14

Sample Depth: 0.5

o-Terphenyl

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00198	0.00138	mg/Kg		05/14/25 08:48	05/14/25 14:02	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		05/14/25 08:48	05/14/25 14:02	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg		05/14/25 08:48	05/14/25 14:02	1
m-Xylene & p-Xylene	<0.00226	U *-	0.00396	0.00226	mg/Kg		05/14/25 08:48	05/14/25 14:02	1
o-Xylene	<0.00157	U	0.00198	0.00157	mg/Kg		05/14/25 08:48	05/14/25 14:02	1
Xylenes, Total	<0.00226	U *-	0.00396	0.00226	mg/Kg		05/14/25 08:48	05/14/25 14:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				05/14/25 08:48	05/14/25 14:02	1
1,4-Difluorobenzene (Surr)	80		70 - 130				05/14/25 08:48	05/14/25 14:02	1

Eurofins Carlsbad

05/14/25 11:49

50.0

14.5

mg/Kg

Gasoline Range Organics

(GRO)-C6-C10

Matrix: Solid

05/14/25 11:33

05/13/25 14:57

05/13/25 14:57

Job ID: 890-8153-1

Client: Ensolum Project/Site: MOC LOBO SDG: 03C2284007

Client Sample ID: SS 02 Da Da

Sample Depth: 0.5

Client Sample ID: SS 02	Lab Sample ID: 890-8153-2
Date Collected: 05/12/25 14:46	Matrix: Solid
Date Received: 05/13/25 16:14	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	19.1	J	50.0	15.1	mg/Kg		05/13/25 14:57	05/14/25 11:49	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		05/13/25 14:57	05/14/25 11:49	1
Total TPH	19.1	JB	50.0	15.1	mg/Kg		05/13/25 14:57	05/14/25 11:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				05/13/25 14:57	05/14/25 11:49	1
o-Terphenyl	80		70 - 130				05/13/25 14:57	05/14/25 11:49	1
- Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solub	le						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: SS 03 Lab Sample ID: 890-8153-3

Date Collected: 05/12/25 14:43 Matrix: Solid Date Received: 05/13/25 16:14

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00199	0.00139	mg/Kg		05/14/25 08:48	05/14/25 14:23	1
Toluene	< 0.00199	U	0.00199	0.00199	mg/Kg		05/14/25 08:48	05/14/25 14:23	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		05/14/25 08:48	05/14/25 14:23	1
m-Xylene & p-Xylene	<0.00228	U *-	0.00398	0.00228	mg/Kg		05/14/25 08:48	05/14/25 14:23	1
o-Xylene	<0.00158	U	0.00199	0.00158	mg/Kg		05/14/25 08:48	05/14/25 14:23	1
Xylenes, Total	<0.00228	U *-	0.00398	0.00228	mg/Kg		05/14/25 08:48	05/14/25 14:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				05/14/25 08:48	05/14/25 14:23	1
1,4-Difluorobenzene (Surr)	76		70 - 130				05/14/25 08:48	05/14/25 14:23	1
Analyte Gasoline Range Organics		Qualifier U	- RL 49.9	MDL 14.5	mg/Kg	D	Prepared 05/13/25 14:57	Analyzed 05/14/25 12:06	Dil Fac
Method: SW846 8015B NM - Dies				MDI	l lmi4	_	Duamanad	Amalumad	Dil Faa
(GRO)-C6-C10	<14.5	U	49.9	14.5	mg/Kg		05/13/25 14:57	05/14/25 12:06	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.9	15.1	mg/Kg		05/13/25 14:57	05/14/25 12:06	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		05/13/25 14:57	05/14/25 12:06	1
Total TPH	<15.1	U	49.9	15.1	mg/Kg		05/13/25 14:57	05/14/25 12:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				05/13/25 14:57	05/14/25 12:06	1
o-Terphenyl	81		70 - 130				05/13/25 14:57	05/14/25 12:06	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	le						
					1114			A II	D:: F
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Matrix: Solid

Lab Sample ID: 890-8153-4

05/13/25 14:57

05/13/25 14:57

05/13/25 14:57

05/14/25 12:22

05/14/25 12:22

Client Sample Results

Client: Ensolum Job ID: 890-8153-1 SDG: 03C2284007 Project/Site: MOC LOBO

Client Sample ID: SS 04

Date Collected: 05/12/25 14:41 Date Received: 05/13/25 16:14

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00198	0.00138	mg/Kg		05/14/25 08:48	05/14/25 14:43	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		05/14/25 08:48	05/14/25 14:43	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg		05/14/25 08:48	05/14/25 14:43	1
m-Xylene & p-Xylene	<0.00226	U *-	0.00396	0.00226	mg/Kg		05/14/25 08:48	05/14/25 14:43	1
o-Xylene	<0.00157	U	0.00198	0.00157	mg/Kg		05/14/25 08:48	05/14/25 14:43	1
Xylenes, Total	<0.00226	U *-	0.00396	0.00226	mg/Kg		05/14/25 08:48	05/14/25 14:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				05/14/25 08:48	05/14/25 14:43	1
1,4-Difluorobenzene (Surr)	83		70 - 130				05/14/25 08:48	05/14/25 14:43	1

Method: SW846 8015B NM - Die:									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<14.5	U	50.1	14.5	mg/Kg		05/13/25 14:57	05/14/25 12:22	
(GRO)-C6-C10									
Diesel Range Organics (Over C10-C28)	<15.1	U	50.1	15.1	mg/Kg		05/13/25 14:57	05/14/25 12:22	ŕ
Oil Range Organics (Over C28-C36)	<15.1	U	50.1	15.1	mg/Kg		05/13/25 14:57	05/14/25 12:22	
Total TPH	<15.1	U	50.1	15.1	mg/Kg		05/13/25 14:57	05/14/25 12:22	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	245	F1	10.1	0.399	ma/Ka			05/14/25 11:55	

70 - 130

70 - 130

84

80

<14.6 U

Client Sample ID: SS 05 Lab Sample ID: 890-8153-5 **Matrix: Solid**

Date Collected: 05/12/25 14:39 Date Received: 05/13/25 16:14

Sample Depth: 0.5

1-Chlorooctane

o-Terphenyl

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00201	0.00140	mg/Kg		05/14/25 08:43	05/14/25 13:35	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		05/14/25 08:43	05/14/25 13:35	1
Ethylbenzene	<0.00109	U	0.00201	0.00109	mg/Kg		05/14/25 08:43	05/14/25 13:35	1
m-Xylene & p-Xylene	<0.00229	U	0.00402	0.00229	mg/Kg		05/14/25 08:43	05/14/25 13:35	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		05/14/25 08:43	05/14/25 13:35	1
Xylenes, Total	<0.00229	U	0.00402	0.00229	mg/Kg		05/14/25 08:43	05/14/25 13:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				05/14/25 08:43	05/14/25 13:35	1
1,4-Difluorobenzene (Surr)	81		70 - 130				05/14/25 08:43	05/14/25 13:35	1

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05/14/25 12:39

50.2

14.6 mg/Kg

Gasoline Range Organics (GRO)-C6-C10

Matrix: Solid

Lab Sample ID: 890-8153-5

Analyzed

Prepared

Client Sample Results

 Client: Ensolum
 Job ID: 890-8153-1

 Project/Site: MOC LOBO
 SDG: 03C2284007

Client Sample ID: SS 05

Date Collected: 05/12/25 14:39 Date Received: 05/13/25 16:14

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<15.2	U	50.2	15.2	mg/Kg		05/13/25 14:57	05/14/25 12:39	1
Oil Range Organics (Over C28-C36)	<15.2	U	50.2	15.2	mg/Kg		05/13/25 14:57	05/14/25 12:39	1
Total TPH	<15.2	U	50.2	15.2	mg/Kg		05/13/25 14:57	05/14/25 12:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				05/13/25 14:57	05/14/25 12:39	1
o-Terphenyl	81		70 - 130				05/13/25 14:57	05/14/25 12:39	1

 Chloride
 311
 9.96
 0.393 mg/Kg
 05/14/25 12:16
 1

 Client Sample ID: SS 06
 Lab Sample ID: 890-8153-6

RL

MDL Unit

Result Qualifier

Date Collected: 05/12/25 14:37 Date Received: 05/13/25 16:14

Sample Depth: 0.5

Analyte

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00198	0.00138	mg/Kg		05/14/25 08:43	05/14/25 13:55	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		05/14/25 08:43	05/14/25 13:55	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg		05/14/25 08:43	05/14/25 13:55	1
m-Xylene & p-Xylene	<0.00226	U	0.00396	0.00226	mg/Kg		05/14/25 08:43	05/14/25 13:55	1
o-Xylene	<0.00157	U	0.00198	0.00157	mg/Kg		05/14/25 08:43	05/14/25 13:55	1
Xylenes, Total	<0.00226	U	0.00396	0.00226	mg/Kg		05/14/25 08:43	05/14/25 13:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				05/14/25 08:43	05/14/25 13:55	1
1,4-Difluorobenzene (Surr)	82		70 - 130				05/14/25 08:43	05/14/25 13:55	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<14.5	U	49.8	14.5	mg/Kg		05/13/25 14:57	05/14/25 12:55	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<15.1	U	49.8	15.1	mg/Kg		05/13/25 14:57	05/14/25 12:55	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		05/13/25 14:57	05/14/25 12:55	1
Total TPH	<15.1	U	49.8	15.1	mg/Kg		05/13/25 14:57	05/14/25 12:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				05/13/25 14:57	05/14/25 12:55	1
o-Terphenyl	79		70 ₋ 130				05/13/25 14:57	05/14/25 12:55	1

Method: EPA 300.0 - Anions, Ion Ch	romatograph	ny - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	152		9.98	0.394	mg/Kg			05/14/25 12:23	1

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2

5

6

8

10

Dil Fac

Matrix: Solid

12

13

۲

Surrogate Summary

Client: Ensolum Job ID: 890-8153-1 Project/Site: MOC LOBO SDG: 03C2284007

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	Percent Surrogate Recovery (Acceptance Limits)
_ab Sample ID	Client Sample ID	(70-130)	(70-130)	
380-58044-A-39-D MS	Matrix Spike	103	86	
380-58044-A-39-E MSD	Matrix Spike Duplicate	103	90	
880-58044-A-45-D MS	Matrix Spike	78	88	
880-58044-A-45-E MSD	Matrix Spike Duplicate	75	91	
390-8153-1	SS 01	88	81	
390-8153-2	SS 02	90	80	
390-8153-3	SS 03	84	76	
390-8153-4	SS 04	91	83	
390-8153-5	SS 05	92	81	
390-8153-6	SS 06	93	82	
CS 880-110097/1-A	Lab Control Sample	105	97	
CS 880-110098/1-A	Lab Control Sample	80	79	
CSD 880-110097/2-A	Lab Control Sample Dup	95	86	
CSD 880-110098/2-A	Lab Control Sample Dup	76	73	
MB 880-110097/5-A	Method Blank	88	94	
MB 880-110098/5-A	Method Blank	56 S1-	85	
Surrogate Legend				

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

Matrix. John				Trep Type. Totalities
_				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-58051-A-19-C MS	Matrix Spike	88	91	
880-58051-A-19-D MSD	Matrix Spike Duplicate	87	93	
890-8153-1	SS 01	87	86	
890-8153-2	SS 02	82	80	
890-8153-3	SS 03	85	81	
890-8153-4	SS 04	84	80	
890-8153-5	SS 05	83	81	
890-8153-6	SS 06	82	79	
LCS 880-110070/2-A	Lab Control Sample	120	106	
LCSD 880-110070/3-A	Lab Control Sample Dup	103	108	
MB 880-110070/1-A	Method Blank	81	84	
Surrogate Legend				

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Ensolum Job ID: 890-8153-1 SDG: 03C2284007 Project/Site: MOC LOBO

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-110097/5-A

Matrix: Solid

Analysis Batch: 110089

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110097

MD MD

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		05/14/25 08:43	05/14/25 11:10	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		05/14/25 08:43	05/14/25 11:10	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		05/14/25 08:43	05/14/25 11:10	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		05/14/25 08:43	05/14/25 11:10	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		05/14/25 08:43	05/14/25 11:10	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		05/14/25 08:43	05/14/25 11:10	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	d Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	05/14/25 08	3:43 05/14/25 11:10	1
1.4-Difluorobenzene (Surr)	94		70 - 130	05/14/25 08	3:43 05/14/25 11:10	1

Lab Sample ID: LCS 880-110097/1-A

Matrix: Solid

Analysis Batch: 110089

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110097

	Бріке	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08382		mg/Kg		84	70 - 130	
Toluene	0.100	0.08415		mg/Kg		84	70 - 130	
Ethylbenzene	0.100	0.09934		mg/Kg		99	70 - 130	
m-Xylene & p-Xylene	0.200	0.1874		mg/Kg		94	70 - 130	
o-Xylene	0.100	0.09126		mg/Kg		91	70 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-110097/2-A

Matrix: Solid

Analysis Batch: 110089

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110097

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.07108		mg/Kg		71	70 - 130	16	35	
Toluene	0.100	0.07363		mg/Kg		74	70 - 130	13	35	
Ethylbenzene	0.100	0.09242		mg/Kg		92	70 - 130	7	35	
m-Xylene & p-Xylene	0.200	0.1685		mg/Kg		84	70 - 130	11	35	
o-Xylene	0.100	0.08147		mg/Kg		81	70 - 130	11	35	

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1 4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: 880-58044-A-39-D MS

Matrix: Solid

Analysis Batch: 110089

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 110097

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00139	U F1	0.100	0.06939	F1	mg/Kg		69	70 - 130	
Toluene	< 0.00200	U F1	0.100	0.06815	F1	mg/Kg		68	70 - 130	

QC Sample Results

Client: Ensolum Job ID: 890-8153-1 Project/Site: MOC LOBO SDG: 03C2284007

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

Lab Sample ID: 880-58044-A-39-D MS

Lab Sample ID: 880-58044-A-39-E MSD

Matrix: Solid

Matrix: Solid

Analysis Batch: 110089

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 110097

Sample	Sample	Spike	MS	MS				%Rec
Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
<0.00109	U	0.100	0.07474		mg/Kg		75	70 - 130
<0.00228	U F1	0.200	0.1371	F1	mg/Kg		69	70 - 130
<0.00158	U F1	0.100	0.06842	F1	mg/Kg		68	70 - 130
	Result <0.00109 <0.00228		Result Qualifier Added <0.00109	Result Qualifier Added Result <0.00109	Result Qualifier Added Result Qualifier <0.00109	Result Qualifier Added Result Qualifier Unit mg/Kg <0.00109	Result Qualifier Added Added On the control of the contr	Result Qualifier Added Added Result Qualifier Unit Unit Unit Unit Unit Unit Unit Unit

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 110097

Analysis Batch: 110089 Sample Sample Spike MSD MSD %Rec Result Qualifier Added Result Qualifier Limits RPD Limit Analyte Unit %Rec 0.100 0.07594 Benzene <0.00139 UF1 mg/Kg 76 70 - 130 9 35 Toluene 0.100 0.07347 73 70 - 130 <0.00200 UF1 mg/Kg 35 Ethylbenzene <0.00109 U 0.100 0.07802 mg/Kg 78 70 - 130 35 4 <0.00228 UF1 0.200 0.1458 73 70 - 130 35 m-Xylene & p-Xylene mg/Kg 6 <0.00158 UF1 0.100 o-Xylene 0.07370 74 70 - 130 mg/Kg

MSD MSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	103	70 - 130
1 4-Difluorobenzene (Surr)	90	70 - 130

Lab Sample ID: MB 880-110098/5-A

Matrix: Solid

Analysis Batch: 110091

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110098

MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		05/14/25 08:48	05/14/25 11:17	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		05/14/25 08:48	05/14/25 11:17	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		05/14/25 08:48	05/14/25 11:17	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		05/14/25 08:48	05/14/25 11:17	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		05/14/25 08:48	05/14/25 11:17	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		05/14/25 08:48	05/14/25 11:17	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	56	S1-	70 - 130	05/14/25 08:48	05/14/25 11:17	1
1,4-Difluorobenzene (Surr)	85		70 - 130	05/14/25 08:48	05/14/25 11:17	1

Lab Sample ID: LCS 880-110098/1-A

Matrix: Solid

Analysis Batch: 110091

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110098

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	0.100	0.07457		mg/Kg		75	70 - 130
Toluene	0.100	0.07088		mg/Kg		71	70 - 130
Ethylbenzene	0.100	0.07184		mg/Kg		72	70 - 130
m-Xylene & p-Xylene	0.200	0.1383	*_	mg/Kg		69	70 - 130

QC Sample Results

Client: Ensolum Job ID: 890-8153-1 SDG: 03C2284007 Project/Site: MOC LOBO

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

Lab Sample ID: LCS 880-110098/1-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA Analysis Batch: 110091 Prep Batch: 110098

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
o-Xylene	0.100	0.07159		mg/Kg		72	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	80		70 - 130
1,4-Difluorobenzene (Surr)	79		70 - 130

Lab Sample ID: LCSD 880-110098/2-A **Client Sample ID: Lab Control Sample Dup Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 110091

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.07418		mg/Kg		74	70 - 130	1	35
Toluene	0.100	0.07085		mg/Kg		71	70 - 130	0	35
Ethylbenzene	0.100	0.07077		mg/Kg		71	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1370	*_	mg/Kg		69	70 - 130	1	35
o-Xylene	0.100	0.07139		mg/Kg		71	70 - 130	0	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	76		70 - 130
1,4-Difluorobenzene (Surr)	73		70 - 130

Lab Sample ID: 880-58044-A-45-D MS Client Sample ID: Matrix Spike **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 110091

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00139	U	0.100	0.08339		mg/Kg		83	70 - 130	
Toluene	<0.00200	U	0.100	0.07640		mg/Kg		76	70 - 130	
Ethylbenzene	< 0.00109	U	0.100	0.07943		mg/Kg		79	70 - 130	
m-Xylene & p-Xylene	<0.00228	U *-	0.200	0.1553		mg/Kg		78	70 - 130	
o-Xylene	<0.00158	U	0.100	0.07990		mg/Kg		80	70 - 130	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	78		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Client Sample ID: Matrix Spike Duplicate Lab Sample ID: 880-58044-A-45-E MSD Prep Type: Total/NA

Matrix: Solid nalysis Batch: 110091

	Analysis Batch: 110091									Prep I	Batch: 1	10098
		Sample	Sample	Spike	MSD	MSD				%Rec		RPD
	Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
	Benzene	<0.00139	U	0.100	0.08435		mg/Kg		84	70 - 130	1	35
	Toluene	<0.00200	U	0.100	0.07558		mg/Kg		76	70 - 130	1	35
	Ethylbenzene	<0.00109	U	0.100	0.07823		mg/Kg		78	70 - 130	2	35
١	m-Xylene & p-Xylene	<0.00228	U *-	0.200	0.1533		mg/Kg		77	70 - 130	1	35
	o-Xylene	<0.00158	U	0.100	0.07923		mg/Kg		79	70 - 130	1	35

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Prep Batch: 110098

Prep Batch: 110098

Client: Ensolum Job ID: 890-8153-1 Project/Site: MOC LOBO SDG: 03C2284007

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

Lab Sample ID: 880-58044-A-45-E MSD

Matrix: Solid

Analysis Batch: 110091

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 110098

MSD MSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	75	70 - 130
1,4-Difluorobenzene (Surr)	91	70 - 130

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

Lab Sample ID: MB 880-110070/1-A

Matrix: Solid

Analysis Batch: 110100

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110070

ı		MB	MB							
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Gasoline Range Organics	19.50	J	50.0	14.5	mg/Kg		05/13/25 14:57	05/14/25 06:57	1
	(GRO)-C6-C10									
	Diesel Range Organics (Over	<15.1	U	50.0	15.1	mg/Kg		05/13/25 14:57	05/14/25 06:57	1
	C10-C28)									
	Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		05/13/25 14:57	05/14/25 06:57	1
I	Total TPH	19.50	J	50.0	15.1	mg/Kg		05/13/25 14:57	05/14/25 06:57	1
ı										

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	l Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	05/13/25 14	:57 05/14/25 06:57	1
o-Terphenyl	84		70 - 130	05/13/25 14	:57 05/14/25 06:57	1

Lab Sample ID: LCS 880-110070/2-A

Matrix: Solid

Analysis Batch: 110100

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110070

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics	1000	862.4		mg/Kg		86	70 - 130
(GRO)-C6-C10							
Diesel Range Organics (Over	1000	841.1		mg/Kg		84	70 - 130

C10-C28)

	LCS LCS	
Surrogate	%Recovery Quali	ifier Limits
1-Chlorooctane	120	70 - 130
o-Terphenyl	106	70 - 130

Lab Sample ID: LCSD 880-110070/3-A

Matrix: Solid

Analysis Batch: 110100

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110070

	Spike	LCSD	LCSD			%Rec		RPD	
Analyte	Added	Result	Qualifier Unit	: D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	1000	842.1	mg/l	Kg	84	70 - 130	2	20	
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	907.2	mg/l	Kg	91	70 - 130	8	20	
040,000)									

C10-C28)

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	108		70 - 130

Client: Ensolum Job ID: 890-8153-1 Project/Site: MOC LOBO SDG: 03C2284007

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

Lab Sample ID: 880-58051-A-19-C MS

Matrix: Solid Analysis Batch: 110100 Client Sample ID: Matrix Spike Prep Type: Total/NA

Prep Batch: 110070

Sample Sample Spike MS MS Result Qualifier Analyte babbA Result Qualifier Unit %Rec Limits Gasoline Range Organics <14.5 U 1000 747.8 mg/Kg 75 70 - 130 (GRO)-C6-C10 1000 Diesel Range Organics (Over <15.1 U 795.8 mg/Kg 79 70 - 130

C10-C28)

MS MS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	91		70 - 130

Lab Sample ID: 880-58051-A-19-D MSD

Matrix: Solid Analysis Batch: 110100

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 110070

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	1000	732.1		mg/Kg		73	70 - 130	2	20
Diesel Range Organics (Over	<15.1	U	1000	805.0		mg/Kg		80	70 - 130	1	20

C10-C28)

MSD MSD

MB MB

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	93		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-110082/1-A

Matrix: Solid

Analyte

Chloride

Analysis Batch: 110088

Client Sample ID: Method Blank **Prep Type: Soluble**

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Result Qualifier MDL Unit Dil Fac Prepared Analyzed <0.395 U 10.0 0.395 mg/Kg 05/14/25 09:55

Lab Sample ID: LCS 880-110082/2-A

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 110088

	Spike	LCS	LCS			%Rec
Analyte	Added	Result	Qualifier U	nit D	%Rec	Limits
Chloride	 250	252.0	m	g/Kg	101	90 - 110

Lab Sample ID: LCSD 880-110082/3-A

Matrix: Solid

Analysis Batch: 110088

Allalysis Batch. 110000									
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	251.0		mg/Kg		100	90 - 110	0	20

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Prep Type: Soluble

QC Sample Results

Client: Ensolum Job ID: 890-8153-1 Project/Site: MOC LOBO

SDG: 03C2284007

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-8153-4 MS Client Sample ID: SS 04 **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 110088

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	245	F1	253	528.7	F1	mg/Kg		112	90 - 110	

Lab Sample ID: 890-8153-4 MSD Client Sample ID: SS 04 Matrix: Solid **Prep Type: Soluble**

Analysis Batch: 110088

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	245	F1	253	527.7	F1	mg/Kg		112	90 - 110	0	20

QC Association Summary

 Client: Ensolum
 Job ID: 890-8153-1

 Project/Site: MOC LOBO
 SDG: 03C2284007

GC VOA

Analysis Batch: 110089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8153-5	SS 05	Total/NA	Solid	8021B	110097
890-8153-6	SS 06	Total/NA	Solid	8021B	110097
MB 880-110097/5-A	Method Blank	Total/NA	Solid	8021B	110097
LCS 880-110097/1-A	Lab Control Sample	Total/NA	Solid	8021B	110097
LCSD 880-110097/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	110097
880-58044-A-39-D MS	Matrix Spike	Total/NA	Solid	8021B	110097
880-58044-A-39-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	110097

Analysis Batch: 110091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8153-1	SS 01	Total/NA	Solid	8021B	110098
890-8153-2	SS 02	Total/NA	Solid	8021B	110098
890-8153-3	SS 03	Total/NA	Solid	8021B	110098
890-8153-4	SS 04	Total/NA	Solid	8021B	110098
MB 880-110098/5-A	Method Blank	Total/NA	Solid	8021B	110098
LCS 880-110098/1-A	Lab Control Sample	Total/NA	Solid	8021B	110098
LCSD 880-110098/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	110098
880-58044-A-45-D MS	Matrix Spike	Total/NA	Solid	8021B	110098
880-58044-A-45-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	110098

Prep Batch: 110097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8153-5	SS 05	Total/NA	Solid	5035	
890-8153-6	SS 06	Total/NA	Solid	5035	
MB 880-110097/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-110097/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-110097/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-58044-A-39-D MS	Matrix Spike	Total/NA	Solid	5035	
880-58044-A-39-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 110098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-8153-1	SS 01	Total/NA	Solid	5035	
890-8153-2	SS 02	Total/NA	Solid	5035	
890-8153-3	SS 03	Total/NA	Solid	5035	
890-8153-4	SS 04	Total/NA	Solid	5035	
MB 880-110098/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-110098/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-110098/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-58044-A-45-D MS	Matrix Spike	Total/NA	Solid	5035	
880-58044-A-45-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 110070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8153-1	SS 01	Total/NA	Solid	8015NM Prep	
890-8153-2	SS 02	Total/NA	Solid	8015NM Prep	
890-8153-3	SS 03	Total/NA	Solid	8015NM Prep	
890-8153-4	SS 04	Total/NA	Solid	8015NM Prep	
890-8153-5	SS 05	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Ensolum Job ID: 890-8153-1 Project/Site: MOC LOBO SDG: 03C2284007

GC Semi VOA (Continued)

Prep Batch: 110070 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8153-6	SS 06	Total/NA	Solid	8015NM Prep	
MB 880-110070/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-110070/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-110070/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-58051-A-19-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-58051-A-19-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 110100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8153-1	SS 01	Total/NA	Solid	8015B NM	110070
890-8153-2	SS 02	Total/NA	Solid	8015B NM	110070
890-8153-3	SS 03	Total/NA	Solid	8015B NM	110070
890-8153-4	SS 04	Total/NA	Solid	8015B NM	110070
890-8153-5	SS 05	Total/NA	Solid	8015B NM	110070
890-8153-6	SS 06	Total/NA	Solid	8015B NM	110070
MB 880-110070/1-A	Method Blank	Total/NA	Solid	8015B NM	110070
LCS 880-110070/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	110070
LCSD 880-110070/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	110070
880-58051-A-19-C MS	Matrix Spike	Total/NA	Solid	8015B NM	110070
880-58051-A-19-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	110070

HPLC/IC

Leach Batch: 110082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8153-1	SS 01	Soluble	Solid	DI Leach	
890-8153-2	SS 02	Soluble	Solid	DI Leach	
890-8153-3	SS 03	Soluble	Solid	DI Leach	
890-8153-4	SS 04	Soluble	Solid	DI Leach	
890-8153-5	SS 05	Soluble	Solid	DI Leach	
890-8153-6	SS 06	Soluble	Solid	DI Leach	
MB 880-110082/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-110082/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-110082/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8153-4 MS	SS 04	Soluble	Solid	DI Leach	
890-8153-4 MSD	SS 04	Soluble	Solid	DI Leach	

Analysis Batch: 110088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8153-1	SS 01	Soluble	Solid	300.0	110082
890-8153-2	SS 02	Soluble	Solid	300.0	110082
890-8153-3	SS 03	Soluble	Solid	300.0	110082
890-8153-4	SS 04	Soluble	Solid	300.0	110082
890-8153-5	SS 05	Soluble	Solid	300.0	110082
890-8153-6	SS 06	Soluble	Solid	300.0	110082
MB 880-110082/1-A	Method Blank	Soluble	Solid	300.0	110082
LCS 880-110082/2-A	Lab Control Sample	Soluble	Solid	300.0	110082
LCSD 880-110082/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	110082
890-8153-4 MS	SS 04	Soluble	Solid	300.0	110082
890-8153-4 MSD	SS 04	Soluble	Solid	300.0	110082

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Lab Chronicle

 Client: Ensolum
 Job ID: 890-8153-1

 Project/Site: MOC LOBO
 SDG: 03C2284007

Client Sample ID: SS 01

Date Collected: 05/12/25 14:35 Date Received: 05/13/25 16:14 Lab Sample ID: 890-8153-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	110098	05/14/25 08:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110091	05/14/25 13:42	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	110070	05/13/25 14:57	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110100	05/14/25 11:33	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	110082	05/14/25 07:53	SA	EET MID
Soluble	Analysis	300.0		1			110088	05/14/25 11:34	CH	EET MID

Client Sample ID: SS 02

Date Collected: 05/12/25 14:46 Date Received: 05/13/25 16:14 Lab Sample ID: 890-8153-2

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	110098	05/14/25 08:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110091	05/14/25 14:02	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	110070	05/13/25 14:57	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110100	05/14/25 11:49	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	110082	05/14/25 07:53	SA	EET MID
Soluble	Analysis	300.0		1			110088	05/14/25 11:41	CH	EET MID

Client Sample ID: SS 03
Date Collected: 05/12/25 14:43

Date Received: 05/13/25 16:14

Lab Sample ID: 890-8153-3

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	110098	05/14/25 08:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110091	05/14/25 14:23	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	110070	05/13/25 14:57	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110100	05/14/25 12:06	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	110082	05/14/25 07:53	SA	EET MID
Soluble	Analysis	300.0		1			110088	05/14/25 11:48	CH	EET MID

Client Sample ID: SS 04

Date Collected: 05/12/25 14:41 Date Received: 05/13/25 16:14 Lab Sample ID: 890-8153-4

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	110098	05/14/25 08:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110091	05/14/25 14:43	MNR	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	110070	05/13/25 14:57	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110100	05/14/25 12:22	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	110082	05/14/25 07:53	SA	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	110088	05/14/25 11:55	CH	EET MID

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 Client: Ensolum
 Job ID: 890-8153-1

 Project/Site: MOC LOBO
 SDG: 03C2284007

Client Sample ID: SS 05 Lab Sample ID: 890-8153-5

Date Collected: 05/12/25 14:39

Date Received: 05/13/25 16:14

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	110097	05/14/25 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110089	05/14/25 13:35	MNR	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	110070	05/13/25 14:57	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110100	05/14/25 12:39	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	110082	05/14/25 07:53	SA	EET MID
Soluble	Analysis	300.0		1			110088	05/14/25 12:16	CH	EET MID

Client Sample ID: SS 06

Date Collected: 05/12/25 14:37

Lab Sample ID: 890-8153-6

Matrix: Solid

Date Received: 05/13/25 16:14

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	110097	05/14/25 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110089	05/14/25 13:55	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	110070	05/13/25 14:57	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110100	05/14/25 12:55	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	110082	05/14/25 07:53	SA	EET MID
Soluble	Analysis	300.0		1			110088	05/14/25 12:23	CH	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
 Job ID: 890-8153-1

 Project/Site: MOC LOBO
 SDG: 03C2284007

Laboratory: Eurofins Midland

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

Authority	Progra	am	Identification Number	Expiration Date
Texas	NELAF)	T104704400	06-30-25
The following analytes	are included in this report, bu	t the laboratory is not certif	fied by the governing authority. This lis	t may include analy
,		t the laboratory is not certif	fied by the governing authority. This lis	t may include analy
,	are included in this report, bu oes not offer certification.	t the laboratory is not certif	fied by the governing authority. This lis	t may include analy
,		t the laboratory is not certi Matrix	fied by the governing authority. This lis Analyte	t may include analy

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Method Summary

Client: Ensolum Job ID: 890-8153-1 Project/Site: MOC LOBO

SDG: 03C2284007

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (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	FFT 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.

Laboratory References:

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

Sample Summary

Client: Ensolum

Project/Site: MOC LOBO

Job ID: 890-8153-1

SDG: 03C2284007

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8153-1	SS 01	Solid	05/12/25 14:35	05/13/25 16:14	0.5
890-8153-2	SS 02	Solid	05/12/25 14:46	05/13/25 16:14	0.5
890-8153-3	SS 03	Solid	05/12/25 14:43	05/13/25 16:14	0.5
890-8153-4	SS 04	Solid	05/12/25 14:41	05/13/25 16:14	0.5
890-8153-5	SS 05	Solid	05/12/25 14:39	05/13/25 16:14	0.5
890-8153-6	SS 06	Solid	05/12/25 14:37	05/13/25 16:14	0.5

Relinquished by: (Signature)

Received by: (Signature) SANDE

13/25 Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

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Revised Date: 08/25/2020 Rev. 2020.2

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Project Manager: City, State ZIP: Address: Company Name: eurofins 🔆 Carlsbad, 3122 Natio Ensolum, Jeremy Ro Xenco Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Chain of Custody Work Order No:

Hobbs, NM (575) 392-7550, Carlsbad, NM (575)	Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 9 different) Jeremy Reich Ensolum te ZIP: te ZIP: te ZIP:	Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 Bill to: (if different) Company Name: Ensolum Avair voic BEOUTECT Www.xenco.com Page 1 Work Order Comments Frogram: UST/PST PRP Brownfields RRC State of Project: Reporting: Level II Level III PST/UST TRRP Deliverables: EDD ADaPT Other:
Hobbs, NM (575) 392-7550, Carlsbad, NM (576)	Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	
7550, Carlsbad, NM (5:	Reich Reich Reinsolum.com/ kthompson@ensolum.com Ann vere become	
	75) 988-3199 pson@ensolum.com ANALY YOLO DEO 890-8153 Cha	

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-8153-1 SDG Number: 03C2284007

Login Number: 8153 List Source: Eurofins Carlsbad

List Number: 1

Creator: Bruns, Shannon

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	

Eurofins Carlsbad

Login Number: 8153

Login Sample Receipt Checklist

 Client: Ensolum
 Job Number: 890-8153-1

 SDG Number: 03C2284007

List Source: Eurofins Midland List Creation: 05/14/25 07:50 AM

List Number: 2
Creator: Laing, Edmundo

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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	

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 464316

QUESTIONS

ı	Operator:	OGRID:
ı	MEWBOURNE OIL CO	14744
ı	P.O. Box 5270	Action Number:
ı	Hobbs, NM 88241	464316
ı		Action Type:
ı		[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2505953548
Incident Name	NAPP2505953548 NEW WAVE LOBO FRAC BOOSTER @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	New Wave Lobo Frac Booster
Date Release Discovered	02/15/2025
Surface Owner	Federal

ncident 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	or 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: Equipment Failure Pipeline (Any) Produced Water Released: 78 BBL Recovered: 0 BBL Lost: 78 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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QUESTIONS, Page 2

Action 464316

QUEST	IONS (continued)	
Operator:	OGRID:	
MEWBOURNE OIL CO P.O. Box 5270	14744	
Hobbs, NM 88241	Action Number: 464316	
110000, 11111 002 11	Action Type:	
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	
QUESTIONS		
Nature and Volume of Release (continued)		
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.	
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	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.	
nitial 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.	
	i lation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.	
to report and/or file certain release notifications and perform corrective actions for rele the OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are require ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or	
	Name: Connor Walker	
I hereby agree and sign off to the above statement	Title: Senior Engineer	
	Email: cwalker@mewbourne.com Date: 02/28/2025	

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QUESTIONS, Page 3

Action 464316

QUESTIONS (continued)

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	464316
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (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 ar	nd the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (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	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to	the appropriate district office no later than 90 days after the release discovery date.
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination	associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in mil	ligrams per kilograms.)
Chloride (EPA 300.0 or SM4500 Cl B)	10000
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	19.1
GRO+DRO (EPA SW-846 Method 8015M)	19.1
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed which includes the anticipated timelines for beginning and completing the remediation.	efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
On what estimated date will the remediation commence	03/24/2025
On what date will (or did) the final sampling or liner inspection occur	06/12/2025
On what date will (or was) the remediation complete(d)	06/12/2025
What is the estimated surface area (in square feet) that will be reclaimed	6125
What is the estimated volume (in cubic yards) that will be reclaimed	530
What is the estimated surface area (in square feet) that will be remediated	6125
What is the estimated volume (in cubic yards) that will be remediated	530
These estimated dates and measurements are recognized to be the best guess or calculation at the	e time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 464316

QUESTIONS (continued)

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
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	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the	appropriate district office no later than 90 days after the release discovery date.
This remediation will (or is expected to) utilize the following processes to remediate	/ reduce contaminants:
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	NORTH RANCH SURFACE WASTE MANAGEMENT FACILITY [fBAJ2129451934]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

er Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC which includes the anticipated timelines for beginning and completing the remediation.

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

Name: Connor Walker Title: Senior Engineer I hereby agree and sign off to the above statement Email: cwalker@mewbourne.com Date: 05/17/2025

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 464316

QUESTIONS (continued)

Operator:	OGRID:
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P.O. Box 5270	Action Number:
Hobbs, NM 88241	464316
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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QUESTIONS, Page 6

Action 464316

QUESTIONS (continued)

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	464316
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	463902
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/23/2025
What was the (estimated) number of samples that were to be gathered	32
What was the sampling surface area in square feet	6125

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 464316

CONDITIONS

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	464316
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	The Remediation Plan is Conditionally Approved. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Confirmation samples should be collected every 200 ft2. All off pad areas must meet reclamation standards set forth in the OCD Spill Rule. The work will need to occur in 90 days after the work plan has been reviewed.	5/21/2025