

# **CLOSURE REPORT**

Property:

North Hobbs GSA UT 954-18

32.736937° N, 103.187229° W Lea County, New Mexico NMOCD Incident ID: nAPP2410136920

September 27, 2024 Ensolum Project No. 03B1417168

Prepared for:

Oxy USA, Inc. PO Box 4324 Houston, Texas 77210

Attn: Wade Dittrich

Prepared by:

Kelly Lowery
Project Geologis

Project Geologis

Beaux Jennings Associate Principal



# **TABLE OF CONTENTS**

1.0	INTRODUCTION	1
	1.1 SITE DESCRIPTION & BACKGROUND	1
	1.2 PROJECT OBJECTIVE	1
2.0	CLOSURE CRITERIA	1
3.0	SOIL REMEDIATION ACTIVITIES	4
4.0	SOIL SAMPLING PROGRAM	4
5.0	SOIL LABORATORY ANALYTICAL METHODS	4
6.0	DATA EVALUATION	5
7.0	RECLAMATION AND RE-VEGETATION	5
8.0	FINDINGS AND RECOMMENDATION	5
9.0	STANDARDS OF CARE, LIMITATIONS, AND RELIANCE	6
	9.1 STANDARD OF CARE	6
	9.2 LIMITATIONS	6
	9.3 RELIANCE	6

# **LIST OF APPENDICES**

Appendix A: Figures

Appendix B: Supporting Documentation

**Appendix C:** Photographic Documentation

Appendix D: Tables

Appendix E: Laboratory Analytical Reports & Chain-of-Custody Documentation



#### **CLOSURE REPORT**

North Hobbs GSA UT 954-18

32.736937° N, 103.187229° W Lea County, New Mexico NMOCD Incident ID: nAPP2410136920

Ensolum Project No. 03B1417168

# 1.0 INTRODUCTION

# 1.1 Site Description & Background

Operator:	OXY USA, Inc. (Oxy)
Site Name:	North Hobbs GSA UT 954-18
Location:	32.736937° N, 103.187229° W Lea County, New Mexico
Property:	Private, (Ramirez & Sons)
Regulatory:	New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On April 3, 2024, Oxy had a minor release of produced water at the Site from a below ground water injection line. Approximately 10 barrels (bbls) of produced water released below the ground surface, with approximately 3 bbls of produced water recovered. Oxy reported the release to the New Mexico EMNRD OCD online portal notification of release (NOR) form on April 10, 2024. The release was assigned Incident Number nAPP2410136920.

The **Topographic Map** depicting the location of the Site is included as **Figure 1**, and the **Site Vicinity Map** is included as **Figure 2** in **Appendix A**.

# 1.2 Project Objective

The primary objective of the closure activities was to reduce chemicals of concern (COC) concentrations in the on-Site soil to be in compliance with the applicable New Mexico EMNRD OCD closure criteria concentrations.

## 2.0 CLOSURE CRITERIA

The Site is subject to regulatory oversight by the New Mexico EMNRD OCD. In order to address activities related to exempt oil and gas releases, the New Mexico EMNRD OCD references New Mexico Administrative Code (NMAC) 19.15.29 *Releases*, which establishes investigation and abatement action requirements for sites subject to reporting and/or corrective action. Ensolum, LLC (Ensolum) utilized information provided by Oxy, the general Site characteristics, and information available from the New Mexico Office of the State Engineer (OSE) and the New Mexico EMNRD OCD Imaging database to determine the appropriate closure criteria for the Site. Supporting documentation and figures associated with the following bullets are provided in **Appendix B**, and included as **Figure 4** in **Appendix A**.

 Numerous exploratory water wells were identified within a 0.5-mile radius of the Site on the OSE Water Rights Reporting System (WRRS) database. The two closest water wells were identified as follows: Well record L-04886 is located within 0.29-miles of the Site and was installed in 1962 to a depth of 100 feet below ground surface (bgs) with groundwater encountered at 45 ft bgs; and well record L-08832 is located within 0.32-miles of the Site and was installed in 1982 to a depth of 120 feet bgs with groundwater encountered at 44 ft bgs.

- The Site is not located within 300 feet of a New Mexico ENMRD OCD-defined continuously flowing watercourse or significant watercourse.
- The Site is not located within 200 feet of a lakebed, sinkhole, or playa lake.
- The Site is not located within 300 feet from a permanent residence, school, hospital, institution, or church.
- According to the OSE WRSS database there are no private, domestic freshwater wells used by less than five households for domestic or stock water purposes identified within 500 feet of the Site.
- According to the OSE WRSS database there are no freshwater wells identified within 1,000 feet of the Site.
- The Site is not located within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to New Mexico Statute Annotated (NMSA) 1978, Section 3-27-3.
- The Site is not located within 300 feet of a wetland.
- Based on information identified on the New Mexico Mining and Minerals Division's Geographical Information System (GIS), Maps and Mine Data database, the Site is not located within an area overlying a subsurface mine.
- Based on the Karst Occurrence Potential (.kmz) provided by the BLM, the Site is not located within an unstable area, also referred to as high karst potential.
- The Site is not located within a 100-year floodplain.

Based on the identified siting criteria, cleanup goals for soils remaining in place at the Site include:

	Closure Criteria fe	or Soils Impacted by a Rel	ease
Minimum depth below any point within horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Method	Limit
	Chloride	EPA 300.0 or SM4500 CI B	600 mg/kg
≤ 50 feet	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
2 00 1661	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

## 3.0 SOIL REMEDIATION ACTIVITIES

On April 3, 2024, Oxy had a release of produced water at the Site from a below ground water injection line. Approximately 10 bbls of produced water released below the ground surface, with approximately 3 bbls of produced water recovered.

From April 10, 2024 through September 6, 2024, excavation, remediation and sampling activities were conducted at the Site.

On August 22 and 23, 2024, Ensolum arrived on-Site to collect 18 composite soil samples from the excavation floor (FS01 through FS15, FS-17, FS-18, and FS-19) at depths ranging from 0.5 to 1.5 feet bgs. In addition, Ensolum collected a total of 8 confirmation delineation step out soil samples (DS01 through DS08) from 8 locations outside of the excavation area at a depth of 0.5 feet bgs. Based on laboratory analytical data, additional excavation and/or remediation was necessary.

On September 6, 2024, subsequent to completion of additional excavation activities, Ensolum arrived on-Site to collect 12 composite samples from the excavation floor (FS14, FS16, and FS20 through FS29) at depths ranging from 1 to 1.5 feet bgs, and 5 composite soil samples from the excavation sidewalls (SW01 through SW05) at depths ranging from 0-0.5 to 0-1.5 feet bgs. In addition, Ensolum collected a re-sample of one confirmation delineation step out soil sample (DS04) at a depth of 1-foot bgs. Based on laboratory analytical data, no additional excavation and/or remediation was necessary.

The composite soil samples were analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX), total petroleum hydrocarbons (TPH), gasoline range organics (GRO), diesel range organics (DRO), motor oil/lube oil range organics (MRO), and chloride in accordance with the New Mexico EMNRD OCD Closure Criteria for Soils Impacted by a Release (NMOCD Closure Criteria).

The final excavation area consisted of an "L" shape, with each leg measuring approximately 170 feet long and 10 to 30 feet wide, with a depth ranging from 0.5 to 1.5 feet bgs.

The excavation measured approximately 5,962 square feet in areal extent. A total of 188 cubic yards (cy) of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the Lea Land Facility located in Hobbs, New Mexico.

**Figure 3** is a map that identifies approximate soil sample locations and depicts the approximate dimensions of the impacted soil and excavation extent with respect to the release (**Appendix A**). Photographic documentation of the field activities is included in **Appendix C**.

## 4.0 SOIL SAMPLING PROGRAM

Ensolum's soil sampling program from August 22, 2024, through September 6, 2024, included the collection of a total of 30 composite soil samples from 29 locations from the excavation floor (FS01 through FS29), five composite sidewall soil samples from five locations from the excavation sidewalls (SW01 through SW05), and nine confirmation delineation step out soil samples from eight locations around the excavation (DS01 through DS08) and at depths ranging from 0 to 1.5 feet bgs. Additionally, one composite soil sample was collected from the backfill material prior to use at the Site (Ramirez & Sons Caliche Pit).

The soil samples were collected and placed in laboratory prepared glassware, labeled/sealed using laboratory supplied labels and custody seals, and stored on ice in a cooler. The samples were relinquished to Cardinal Laboratories in Hobbs, New Mexico, under proper chain-of-custody procedures.

# 5.0 SOIL LABORATORY ANALYTICAL METHODS

The composite soil samples were analyzed for BTEX following United States Environmental Protection Agency (EPA) SW-846 Method 8021B, TPH GRO/DRO/MRO following EPA SW-846 Method 8015M/D, and chloride using SM4500Cl-B.

September 27, 2024

Laboratory analytical results are summarized in **Table 1** and **Table 2** in **Appendix D**. The executed chain-of-custody forms and laboratory data sheets are provided in **Appendix E**.

## 6.0 DATA EVALUATION

Ensolum compared the benzene, total BTEX, TPH-GRO/DRO/MRO, and chloride concentrations or laboratory sample detection limits (SDLs) associated with the final composite excavation soil samples (FS01 through FS29 and SW01 through SW05), the final confirmation delineation soil samples (DS01 through DS08), and the backfill material (Ramirez & Sons Caliche Pit) to the applicable NMOCD Closure Criteria.

- Laboratory analytical results indicate benzene concentrations for the final composite soil samples
  collected from the excavation area, the final delineation samples, and the backfill material do not
  exceed the laboratory SDLs, which are below the NMOCD Closure Criteria of 10 milligrams per
  kilogram (mg/kg).
- Laboratory analytical results indicated that total BTEX concentrations for the final composite soil samples collected from the excavation area, the final delineation samples, and the backfill material do not exceed the laboratory SDLs, which are below the NMOCD Closure Criteria of 50 mg/kg.
- Laboratory analytical results indicated combined TPH-GRO/DRO/MRO concentrations for the final composite soil samples collected from the excavation area, the final delineation soil samples, and the backfill material do not exceed the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 100 mg/kg.
- Laboratory analytical results indicated chloride concentrations for the final composite soil samples
  collected from the excavation area, the final delineation soil samples, and the backfill material do
  not exceed the applicable NMOCD Closure Criteria of 600 mg/kg.

Laboratory analytical results are summarized in **Table 1** in **Appendix D**.

# 7.0 RECLAMATION AND RE-VEGETATION

Subsequent to the results of the final confirmation soil sampling, the identified impacted soils were removed and taken off-Site for proper disposal. A composite soil sample was collected from the backfill material prior to use at the Site. The excavated area was backfilled with clean fill material, and then contoured to the original surrounding grade. Since the release area was on an active facility caliche pit, no reclamation or re-vegetation was required at this time.

## 8.0 FINDINGS AND RECOMMENDATION

- On April 3, 2024, Oxy had a release of produced water at the Site from a below ground water injection line. Approximately 10 bbls of produced water released beneath the ground surface, with approximately 3 bbls of produced water recovered.
- Ensolum's soil sampling program from August 22, 2024, through September 6, 2024, included the collection of a total of 30 composite floor soil samples from 29 locations from the excavation (FS01 through FS29), five composite sidewall soil samples from five locations from the excavation sidewalls (SW01 through SW05), and nine confirmation delineation step out soil samples from eight locations around the excavation (DS01 through DS08) and at depths ranging from 0 to 1.5 feet bgs. Additionally, one composite soil sample was collected from the backfill material prior to use at the Site (Ramirez & Sons Caliche Pit).
- The primary objective of the closure activities was to reduce COC concentrations in the on-Site soil
  to be in compliance with applicable NMOCD Closure Criteria for Soils Impacted by a Release using
  the New Mexico EMNRD OCD's NMAC 19.15.29 Releases as guidance.

September 27, 2024

- The final excavation area consisted of an "L" shape, with each leg measuring approximately 170 feet long and 10 to 30 feet wide, with a depth ranging from 0 to 1.5 feet bgs.
- Based on laboratory analytical results, the final composite soil samples collected from the
  excavation floor and sidewalls, the delineation soil samples, and the backfill material did not exhibit
  benzene, total BTEX, TPH GRO/DRO/MRO or chloride concentrations above the applicable
  NMOCD Closure Criteria.

Based on field observations and laboratory analytical results, no additional investigation or corrective action appears warranted at this time.

# 9.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

## 9.1 Standard of Care

Ensolum's services were performed in accordance with standards customarily provided by a firm rendering the same or similar services in the area during the same time period. Ensolum makes no warranties, express or implied, as to the services performed hereunder. Additionally, Ensolum does not warrant the work of third parties supplying information used in the report (e.g., laboratories, regulatory agencies, or other third parties). This scope of services was performed in accordance with the scope of work agreed with the client, as detailed in our proposal.

#### 9.2 Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work and it should be noted that this information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, or not present during these services, and Ensolum cannot represent that the Site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during the investigation. Environmental conditions in other areas or portions of the Site may vary from those encountered at actual sample locations. Ensolum's findings and recommendations are based solely upon data available to Ensolum at the time of these services.

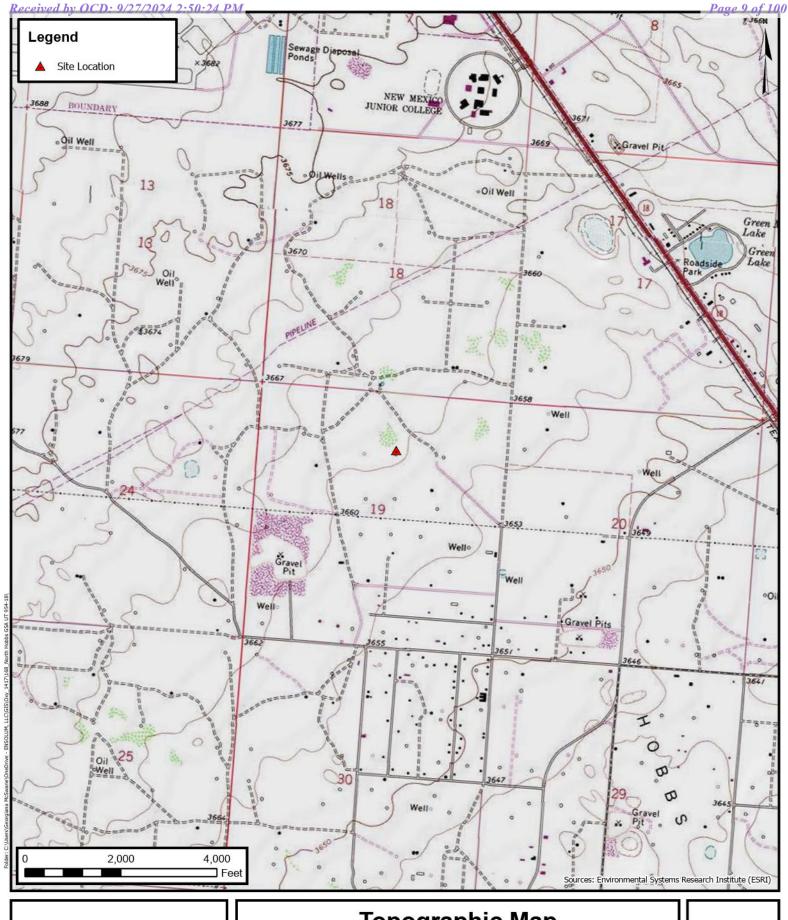
#### 9.3 Reliance

This report has been prepared for the exclusive use of Oxy USA, Inc, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization Oxy USA, Inc and Ensolum. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions and limitations stated in the Closure Report, and Ensolum's Master Services Agreement. The limitation of liability defined in the agreement is the aggregate limit of Ensolum's liability to the client.

# **ENSOLUM**

**APPENDIX A** 

Figures





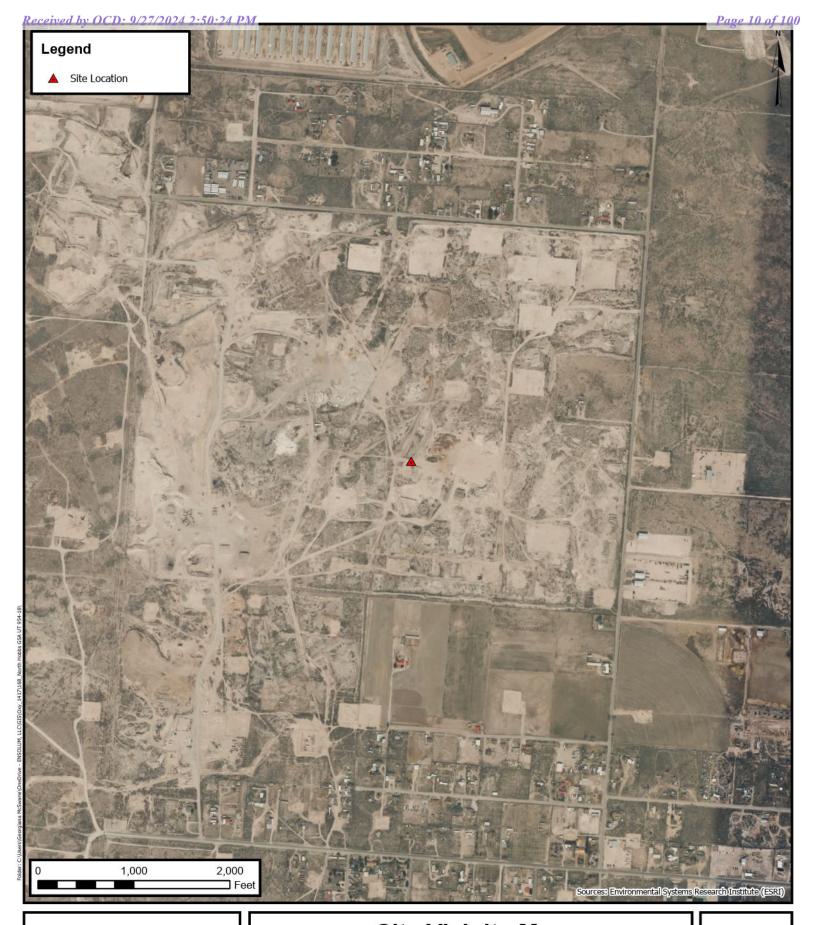
Released to Imaging: 2/5/2025 11:29:45 AM

# Topographic Map Oxy USA Inc.

Oxy USA Inc.
North Hobbs GSA UT 954-18
32.736937° N, 103.187229° W
Lea County, New Mexico

PROJECT NUMBER: 03B1417168

FIGURE 1

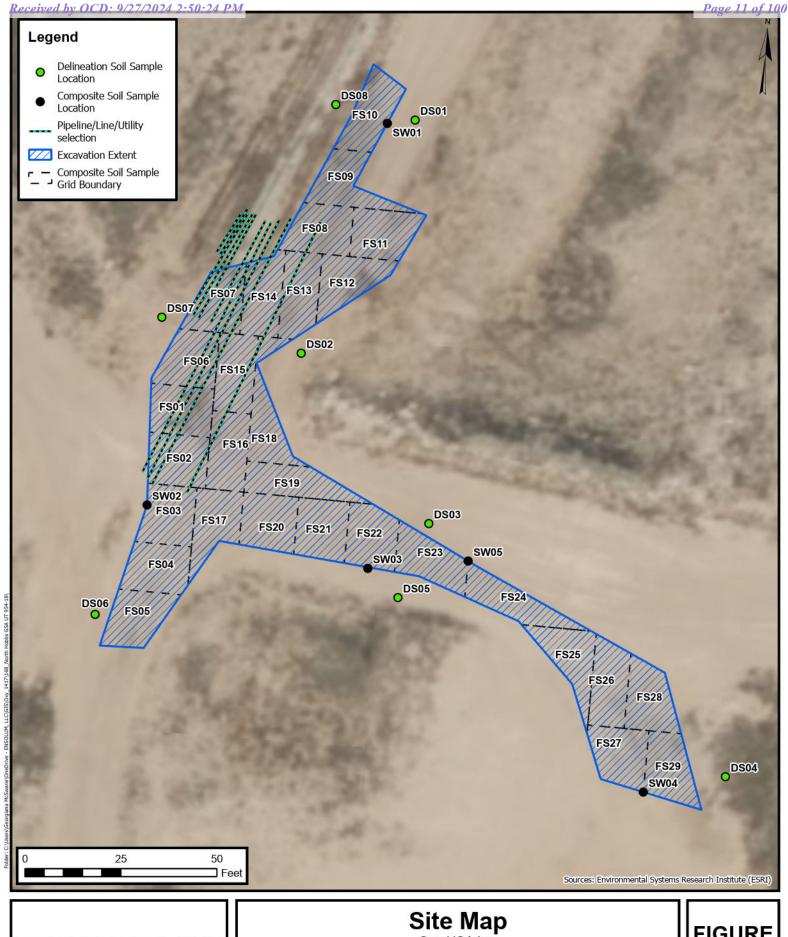




Site Vicinity Map
Oxy USA Inc.
North Hobbs GSA UT 954-18 32.736937° N, 103.187229° W Lea County, New Mexico

PROJECT NUMBER: 03B1417168

**FIGURE** 2





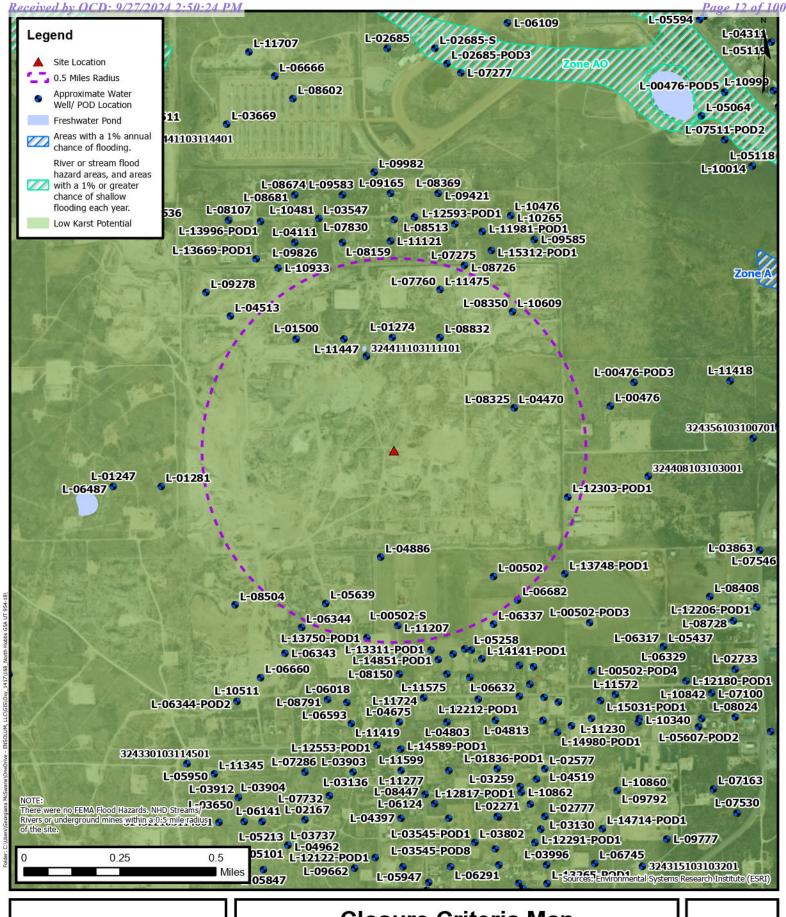
Released to Imaging: 2/5/2025 11:29:45 AM

Oxy USA Inc.

North Hobbs GSA UT 954-18
32.736937° N, 103.187229° W
Lea County, New Mexico

PROJECT NUMBER: 03B1417168

FIGURE 3





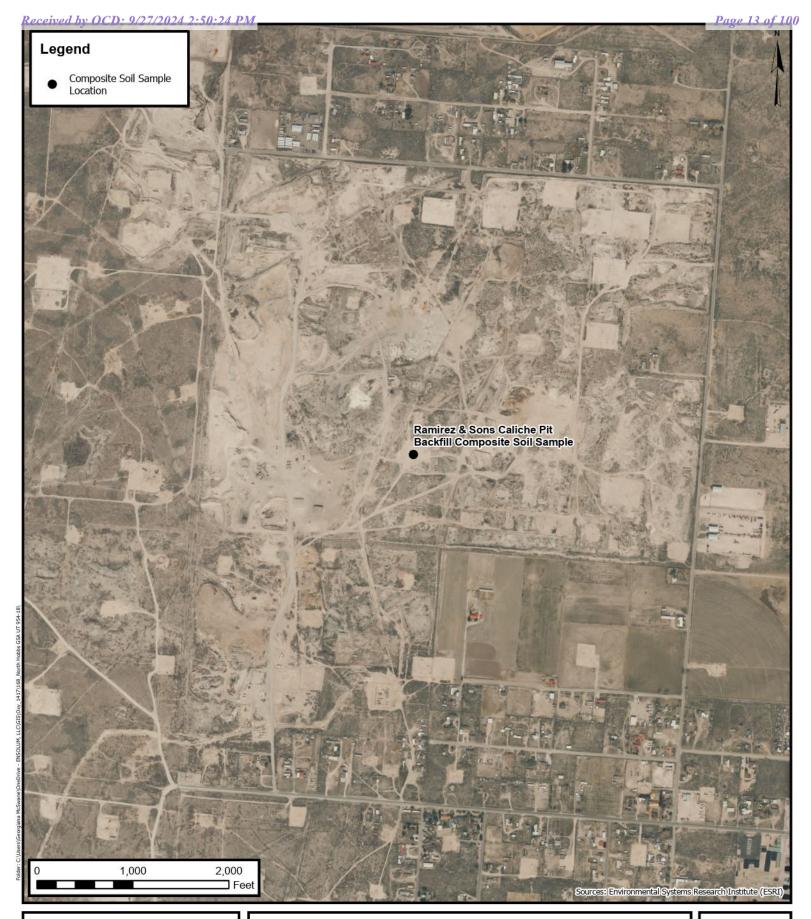
# Closure Criteria Map

Oxy USA Inc.
North Hobbs GSA UT 954-18
32.736937° N, 103.187229° W
Lea County, New Mexico

PROJECT NUMBER: 03B1417168

FIGURE

Released to Imaging: 2/5/2025 11:29:45 AM





# **Backfill Site Map**

Ramirez & Sons Caliche Pit 32.736937° N, 103.187229° W Lea County, New Mexico ATTACHMENT

Α



**APPENDIX B** 

**Supporting Documentation** 

Form WR-23



#### STATE ENGINEER OFFICE

WELL RECORD

500411

SANTA FE INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section	1 ,				,	No	 mon C Hol	Imonic	
	1	1		(A) Owne	er of well.	70	rman G. Hal l E. Taylor	шагк	<del></del>
		ļ							New Mexico
				Well was	drillęd ur	der Perr	nit No. L-488	6and	l is located in the
			I -	74	74	7	4 Of Section	~·········· T M h····#:::	Rge
	1 1								nse No. WD-208
}			ſ						
	<del>                                     </del>		7	City		Oil C	enter, .	State	New Mexico
		İ	1	Orilling w	as comm	enced	April 23;	4	19 62
<u></u>	Dist =4.040		ر لـــــ	Orilling w	as comple	eted	april zo,,	10 211	19
	Plat of 640							1	00 †
Elevatio State w	n at top o hether we	of casing i ll is shall	n teet ow or	above sea	Shall	OW	Depth to wa	oth of well 1 ter upon comple	tion 45!
Section	2			PRIN	CIPAL WA	ATER-BEAR	RING STRATA		
No.	Pepth i	n Feet To	1	kness in Feet		, De	escription of Water	-Bearing Formatio	n ,
1	45	100		<b>5</b> 5	Wat	ter-sar	nd .		115.
2							<u> </u>		17/1E
3			-						<u> </u>
4									NO.
			<u> </u>			····			<u> </u>
5					·				<u>- ₽</u>
Section	3				RECOR	D OF CA	SING		. Q <b>8</b>
Dia	Pounds	Threa	- l	Der	oth	1 .	1	Perfo	rations C
in.	ft.	· in		Top	Bottom	Feet	Type Shoe	From	То
6		Wel	ded	.0	100	100	none	80	100
					<del></del>	<u> </u>			
	<u> </u>		!			<u> </u>		<u> </u>	
Section	4			RECOR	D OF MUI	DDING A	ND CEMENTING		
Dept From	h in Feet	Diame Hole in	- 1	Tons Clay	No. Sa Cen	ncks of nent		Methods Used	
FIOIII									
	<del>-</del>	<u> </u>	·		<del></del> -				
		<del></del>							
	1			·	<u>-</u>		· · <del></del>	<u> </u>	
Section	5	<del>'</del>	<del>!</del>	<del></del> -	PLUGG	SING REC		<del></del>	
		Contrac	tor					License No	
						_			
	method								19
	gapprove		. 2		<b>σ</b> ε. Ι			gs were placed as	
iugginį	<del>-</del>	1 <b>03.</b> 1 0	36	`	ULEA	_	Depth of P	<u> </u>	
	Ō	14	77	Basin Sup		No.	From 177	No o	f Sacks Used
	FOR US	E OF STA	E TO	FINASO V	NLY				
		_		ATZIO					
Date	Received				45	_			
		•.			<i>y</i>	,,			
		8: 22	₩V ()	E APA S	96I 🌖				
	_		_						
File No	. 4	- 4.88	6		Use	_Do	Locatio	n No. 18.38.	19999

5000 0000 01

Section 6

LOG OF WELL

	in Feet	Thickness	Colon	Type of Material Encountered
From	То	in Feet	Color	Type of Material Encountered
	4	4		Top Soil
4	40	36	Grey	Caliche
40_	45	5	Grey	Hard Rock
45	100	55	Grey	Water-sand.
				,
			,	
				,
•				
		- +		
·	341	<del>ilited (</del>	<u> </u>	s sang. na 700
		ļ <del> </del>		
				···
				***************************************
	, 5-1			., .
				, A.Y.

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

Mother G. McLing.

Mobbs,

Mobbs,

Led. 16

Mell Driller

On ' Don'ter,

Mell Driller

Mother Mother Mother

Mother Mother Mother

Man Mother Mother

Mell Driller

Revised June 1972

# STATE ENGINEER OFFICE WELL RECORD

# EIELD ENGR. LOG

Section 1. GENERAL INFORMATION

City and	Post Office Ad	dress 40	01 Bensi bbs. NM	na Dr.		Owner's V		
-					_ and is located			
2	1/ SE 1/	SW 1/4 SE	1/4 of Sec	tion 18	Township	18S Range	38E	NMPM
					•	· ·		
c. Lot N Subdi	o vision, recorded	of Block No l in	Lea	of the	County.			
		_ feet, Y=		feet, N		ystem		
Drilling (	Contractor	Larry's	drilling	1		_ License No. WD8	32	
dress		2601 W.	Bender	Hobb	s, NM 88240			
						ricone		
vation of la	nd surface or _			at we	ll is	_ ft. Total depth of	well 120	ft.
mpleted wel	₩-	nallow 🗀 ar				upon completion of		
piotod wol	31							
Depth	in Feet	Secti Thickness			R-BEARING ST		Estimated	Yield
From	То	in Feet	I	Description of	Water-Bearing F	ormation	(gallons per	
40	120	80	san	d and san	dstone		27	
	<u> </u>							
Diameter	Pounds	Threads	Section Depth		OF CASING Length		Perf	orations
(inches)	per foot	per in.	Тор	Bottom	(feet)	Type of Shoe	From	To
5½	PVC160		0	120	120		100	120
	L	l						
			n 4. RECOI	RD OF MUDI	ING AND CEMI	ENTING		
Depth	in Feet	Sectio Hole	Sack	s C	ubic Feet	Madada	6 D1	
Depth From	in Feet To				ubic Feet f Cement	Method o	of Placement	
		Hole	Sack			Method o	of Placement	
		Hole	Sack			Method (	of Placement	
		Hole	Sack			Method o	of Placement	
		Hole	Sack			Method o	of Placement	
		Hole	Sack of Mi		f Cement	Method o	of Placement	
From	To	Hole Diameter	Sack of Mi	n 5. PLUGGI	f Cement			
From  gging Conti	To To	Hole Diameter	Sack of Mi	n 5. PLUGGI	f Cement	Depth in Fee	et (	Cubic Feet of Cement
From  gging Conti	To To	Hole Diameter	Sack of Mi	n 5. PLUGGI	NG RECORD No.	Depth in Fee	et (	
From  gging Contidress gging Methote Well Plug	To To	Hole Diameter	Sack of Mu	n 5. PLUGGII	NG RECORD  No.  1 2 3	Depth in Fee	et (	
From  gging Contidress gging Methote Well Plug	To To	Hole Diameter	Sack of Mi	n 5. PLUGGII	NG RECORD  No.  1 2	Depth in Fee	et (	
From  gging Contiduess gging Methote Well Plug	ractorodged_wed by:	Hole Diameter	Sack of Mi Sectio	n 5. PLUGGII	NG RECORD  No.  1 2 3	Depth in Fee	et (	

0 2 2 2 topsoil 2 4 2 gray 8 white clay 4 28 24 caliche 2 120 92 sand 8 sandstone layers	Depth From	in Feet To	Thickness in Feet	Color and Type of Material Encountered
2 4 2 gray & white clay 4 28 24 caliche			+	topsoil
4 28 24 caliche				
2 120 92 sand & sandstone layers		<del> </del>		
	2	120	92	sand & sandstone layers
		_	_	
		_		
		<del>                                     </del>		
			_	
		-		
		-		
		-		
		-		

Section 7. REMARKS AND ADDITIONAL INFORMATION

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to of the State Engineer. All poins, pt Section 5, shall be answered as completed and accurate drilled repaired or deepender ten this form is used as a plugging record, only Section 1(a) and Section 1.

Released to Imaging: 2/5/2025 11:29:4. appropriate district office possible when any well is eed be completed.



**APPENDIX C** 

Photographic Documentation

Entity: Oxy USA, Inc Project #: 03B1417168





Soil sampling during remediation activities, facing east. (08/22/2024)



Soil sampling during remediation activities, facing northwest. (08/22/2024)

Entity: Oxy USA, Inc Project #: 03B1417168





Soil sampling during remediation activities, facing west. (08/23/2024)



Soil sampling during remediation activities, facing north. (08/23/2024)

Entity: Oxy USA, Inc Project #: 03B1417168





Soil sampling during remediation activities, facing northeast. (08/23/2024)



Soil sampling during remediation activities, facing northeast. (08/23/2024)

Entity: Oxy USA, Inc Project #: 03B1417168





View of excavation area during remediation activities, facing northeast. (09/06/2024)



View of excavation area during remediation activities, facing southwest. (09/06/2024)

Entity: Oxy USA, Inc Project #: 03B1417168





View of excavation area during remediation activities, facing northwest. (09/06/2024)



View of excavation area during remediation activities, facing southeast. (09/06/2024)

Entity: Oxy USA, Inc Project #: 03B1417168





View of final backfilled excavation, looking southwest. (09/19/2024)



View of final backfilled excavation, looking northeast. (09/19/2024)

# **ENSOLUM**

APPENDIX D

Table



# TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS North Hobbs GSA UT 954-18 Oxy USA, Inc.

Lea County, New Mexico Ensolum Project No. 03B1417168

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
New Mexico Oi Criteria for	I Conservation E Soils Impacted b (≤ 50 feet)		10	NE	NE	NE	50	NE	NE	NE	100	600
					Composite Floor	Soil Sample A	nalytical Resul	ts				
FS01	08/22/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	400
FS02	08/22/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	416
FS03	08/23/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	448
FS04	08/23/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
FS05	08/23/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	192
FS06	08/23/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	512
FS07	08/23/2024	1.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	304
FS08	08/23/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
FS09	08/23/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	208
FS10	08/23/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
FS11	08/23/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	416
FS12	08/23/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	336
FS13	08/23/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	400
FS14	08/23/2024	1.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	624
F314	09/06/2024	1.5			NS					NS		16.0
FS15	08/23/2024	1.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	368
FS16	09/06/2024	1.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
FS17	08/23/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
FS18	08/23/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
FS19	08/23/2024	1.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	416
FS20	09/06/2024	1.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS21	09/06/2024	1.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
FS22	09/06/2024	1.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
FS23	09/06/2024	1.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS24	09/06/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
FS25	09/06/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS26	09/06/2024	1.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS27	09/06/2024	1.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
FS28	09/06/2024	1.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
FS29	09/06/2024	1.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0

ENSOLUM

# TABLE 1

# **SOIL SAMPLE ANALYTICAL RESULTS**

# North Hobbs GSA UT 954-18

Oxy USA, Inc.

Lea County, New Mexico Ensolum Project No. 03B1417168

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
	I Conservation D Soils Impacted b (≤ 50 feet)		10	NE	NE	NE	50	NE	NE	NE	100	600
Composite Sidewall Soil Sample Analytical Results												
SW01	09/06/2024	0 - 1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SW02	09/06/2024	0 - 0.5	<0.050	<0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	192
SW03	09/06/2024	0 - 1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
SW04	09/06/2024	0 - 1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
SW05	09/06/2024	0 - 1.5	<0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	48.0
				Confirma	tion Delineation	Step Out Soil	Sample Analytic	cal Results				
DS01	08/22/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
DS02	08/22/2024	0.5	<0.050	<0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
DS03	08/22/2024	0.5	<0.050	<0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
DS04	08/22/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	170	177	347	80.0
D304	09/06/2024	1.0			NS			<10.0	<10.0	<10.0	<10.0	NS
DS05	08/22/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
DS06	08/22/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
DS07	08/22/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	11.9	11.9	16.0
DS08	08/22/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0

Concentrations in **bold** and yellow exceed the New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)

Additional Excavation and/or Re-Sample

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

NE: Not Established NS: Not Sampled

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics

TPH: Total Petroleum Hydrocarbon



# TABLE 2 BACKFILL SOIL SAMPLE ANALYTICAL RESULTS

Ramirez & Sons Caliche Pit Oxy USA, Inc. Lea County, New Mexico Ensolum Project No. NA

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
	I Conservation D Soils Impacted b (≤ 50 feet)		10	NE	NE	NE	50	NE	NE	NE	100	600
				Co	mposite Backgro	ound Soil Samp	le Analytical Re	sult				
Ramirez & Sons Caliche Pit	09/19/2024	NA	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0

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

NA: Not Applicable NE: Not Established

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics

TPH: Total Petroleum Hydrocarbon



# APPENDIX E

Laboratory Analytical Reports & Chain-of-Custody Documentation



August 28, 2024

**BEAUX JENNINGS** 

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: NORTH HOBBS GSA UT 954-18

Enclosed are the results of analyses for samples received by the laboratory on 08/22/24 16:29.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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 BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/22/2024 Sampling Date: 08/22/2024

Reported: 08/28/2024 Sampling Type: Soil

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact
Project Number: 03B1417168 Sample Received By: Alyssa Parras

Project Location: OXY

# Sample ID: FS 01 1.5' (H245133-01)

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	08/24/2024	ND	2.10	105	2.00	2.68	
Toluene*	<0.050	0.050	08/24/2024	ND	1.99	99.7	2.00	2.15	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.03	102	2.00	2.05	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.02	100	6.00	1.88	
Total BTEX	<0.300	0.300	08/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.7	% 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	400	16.0	08/23/2024	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	08/23/2024	ND	217	108	200	3.91	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	206	103	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					
Surrogate: 1-Chlorooctane	79.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/22/2024 Sampling Date: 08/22/2024

Reported: 08/28/2024 Sampling Type: Soil

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact Project Number: 03B1417168 Sample Received By: Alyssa Parras

Project Location: OXY

# Sample ID: FS 02 0.5' (H245133-02)

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	08/24/2024	ND	2.10	105	2.00	2.68	
Toluene*	<0.050	0.050	08/24/2024	ND	1.99	99.7	2.00	2.15	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.03	102	2.00	2.05	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.02	100	6.00	1.88	
Total BTEX	<0.300	0.300	08/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.0	% 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	416	16.0	08/23/2024	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	08/23/2024	ND	217	108	200	3.91	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	206	103	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					
Surrogate: 1-Chlorooctane	71.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.4	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keene

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

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Received by OCD: 9/27/2024 2:50:24 PM



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476			
Company Name: Ensolum, LLC	BILL TO	ANALYSIS	REQUEST
Project Manager: Beaux Jennings	P.O. #:		
Address; 601 N. Marienfeld St. STE 400	Company: OXY USA		
City: Midland State: TX Zip: 79701	Attn: Wade Dittrich		
Phone #: (210)219-8858 Email:bjennings@ensolum.com	Address:		

Address: 601 N.	Idress: 601 N. Marienteid St. STE 400							-		1 1			1 /		1		( I							
City: Midland State: TX Zip: 79701			Attn: Wade Dittrich																					
Phone #: (210)219-8858 Email:bjennings@ensolum.com				Address:																				
Project #: 0381417168 Project Owner:				City:																				
Project Name:		6-5A 117	- 0	155	1-1	g State:			State: Zip:					_										
Project Location:	10011111000	871. 1			_	<i>V</i>		Phone #: Email:			1	m >	4500		'									
Sampler Name: K	aoru Shimada										m				'									
FOR LAB USE ONLY	dord Orinnada		Τ.	П		MATE	RIX	PR	ESERV.	SAMPL	ING	2	5M											
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	OTHER: ACID/BASE:	ICE / COOL OTHER:	DATE	TIME	BTEX 8021	TPH 801	Chloride	Hold									
1	F501	1,5	6	li		X			X	8-22-24	1633	1	X	K										
2	F5 02	7.5	C	1		X			X	8-22-74	1003	×	8	x				_		_	$\square$		-	
	1																	_	_	-	$\vdash$	-	-	
			1				1	1	1		. ,	_			0	1		/	D.	=			$\overline{}$	
			Ц			1	1	T	44	(	1/	-			X				1	+-			$\mathcal{H}$	$\cap$
				1			11	1	4	-	DV-	-				1	1		1/	+/	- 1		/	X
			$\vdash$	/		$\vdash$	1	W	K	_	1	-			/	)	-	-	1	1/				-
			-	1		-	+	1	4	1	1					/	_	1	K	1	$\vdash$	-1	-	- 1
				11				1						-			_	-	-	+	$\vdash$	$\overline{}$	-	

PLEASE NOTE: Liability and Derrages. Cerdinal's liability and client's exclusive remedy for any claim straing whether based in contract or tox, shall be tended to the amount paid by the client for the analyses.

All claims including those for nepligence and any other cause whetsoever shall be deemed walved unless made in writing and necolary by Cardinal within 30 days after completion of the applicable service.

In no event shall Cardinal to liabile for incidental for consequental damages, including without limitation, business interruptions, loss of use, or loss of profils incurred by client, its subsidiaries,

affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.										
Relinquished By:	Date: Received	d By:		Verbal Result: ☐ Yes ☒ No Add'l Phone #:						
1	Date: Received	•		All Results are emailed. Please provide Email ad	ddress:					
11 6h	Time: UZ9 OUS	74		bjennings@ensolum.com, klowery@ensolum.com						
Lapyn Shimado	1001 (0	Paulas								
Relinguished By:	Date: Received	REMARKS: Paykey/AFE/NonAFE:								
,										
	Time:									
D. II	Observed Terms 80 = 0	Sample Condition	CHECKED BY:	Turnaround Time: Standard     Bacteria (only) Sample C	ondition					
Delivered By: (Circle One)	Observed Temp. °C 28			Total Control						
Sampler - UPS - Bus - Other:	Corrected Temp. C	Cool Intact	(Initials)	Rush Cool Intact Observed Temp. *C						
	2.2.2	Yes Yes		4						
	200	□ No □ No		Thermometer ID #113# LAO	Yes Yes					
		No No	100	Correction Factor 4.6°C	No No Corrected Temp. °C					
			PP .	-0.00	No I No Corrected reinja. C					
FORM-006 R 3.2 10/07/21		AO8 WW								
1 ONW-000 IN 3.2 10/01/21										

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

Released to Imaging: 2/5/2025 11:29:45 AM



August 28, 2024

**BEAUX JENNINGS** 

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: NORTH HOBBS GSA UT 954-18

Enclosed are the results of analyses for samples received by the laboratory on 08/22/24 16:29.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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. Keene

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 BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/22/2024 Sampling Date: 08/22/2024

Reported: 08/28/2024 Sampling Type: Soil

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact Project Number: 03B1417168 Sample Received By: Alyssa Parras

A ..... I ..... . J D. ... 711

Project Location: OXY

#### Sample ID: DS 01 0.5 (H245134-01)

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	08/24/2024	ND	2.10	105	2.00	2.68	
Toluene*	<0.050	0.050	08/24/2024	ND	1.99	99.7	2.00	2.15	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.03	102	2.00	2.05	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.02	100	6.00	1.88	
Total BTEX	<0.300	0.300	08/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.5	% 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	<16.0	16.0	08/23/2024	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	08/23/2024	ND	217	108	200	3.91	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	206	103	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					
Surrogate: 1-Chlorooctane	79.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keine



#### Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/22/2024 Sampling Date: 08/22/2024

Reported: 08/28/2024 Sampling Type: Soil

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact
Project Number: 03B1417168 Sample Received By: Alyssa Parras

Project Location: OXY

#### Sample ID: DS 02 0.5 (H245134-02)

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	08/23/2024	ND	2.21	111	2.00	2.32	
Toluene*	<0.050	0.050	08/23/2024	ND	2.12	106	2.00	0.258	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.24	112	2.00	0.834	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.88	115	6.00	0.849	
Total BTEX	<0.300	0.300	08/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	<16.0	16.0	08/23/2024	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	08/23/2024	ND	217	108	200	3.91	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	206	103	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					
Surrogate: 1-Chlorooctane	77.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.3	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keene



#### Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/22/2024 Sampling Date: 08/22/2024

Reported: 08/28/2024 Sampling Type: Soil

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact
Project Number: 03B1417168 Sample Received By: Alyssa Parras

Project Location: OXY

#### Sample ID: DS 03 0.5 (H245134-03)

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	08/23/2024	ND	2.21	111	2.00	2.32	
Toluene*	< 0.050	0.050	08/23/2024	ND	2.12	106	2.00	0.258	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.24	112	2.00	0.834	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.88	115	6.00	0.849	
Total BTEX	<0.300	0.300	08/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	34						
Chloride, SM4500CI-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	08/23/2024	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	08/23/2024	ND	217	108	200	3.91	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	206	103	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					
Surrogate: 1-Chlorooctane	77.7	% 48.2-13	34						
Surrogate: 1-Chlorooctadecane	98.6	% 49.1-14	18						

Cardinal Laboratories \*=Accredited Analyte

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

Celey & Keine



#### Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/22/2024 Sampling Date: 08/22/2024

Reported: 08/28/2024 Sampling Type: Soil

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact
Project Number: 03B1417168 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: OXY

#### Sample ID: DS 04 0.5 (H245134-04)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	2.21	111	2.00	2.32	
Toluene*	<0.050	0.050	08/23/2024	ND	2.12	106	2.00	0.258	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.24	112	2.00	0.834	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.88	115	6.00	0.849	
Total BTEX	<0.300	0.300	08/23/2024	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	80.0	16.0	08/23/2024	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	08/23/2024	ND	217	108	200	3.91	
DRO >C10-C28*	170	10.0	08/23/2024	ND	206	103	200	4.22	
EXT DRO >C28-C36	177	10.0	08/23/2024	ND					
Surrogate: 1-Chlorooctane	63.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.4	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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

Celey & Keene



#### Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/22/2024 Sampling Date: 08/22/2024

Reported: 08/28/2024 Sampling Type: Soil

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact
Project Number: 03B1417168 Sample Received By: Alyssa Parras

Project Location: OXY

#### Sample ID: DS 05 0.5 (H245134-05)

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	08/24/2024	ND	2.21	111	2.00	2.32	
Toluene*	<0.050	0.050	08/24/2024	ND	2.12	106	2.00	0.258	
Ethylbenzene*	< 0.050	0.050	08/24/2024	ND	2.24	112	2.00	0.834	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.88	115	6.00	0.849	
Total BTEX	<0.300	0.300	08/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	14						
Chloride, SM4500CI-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	08/23/2024	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	08/23/2024	ND	217	108	200	3.91	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	206	103	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					
Surrogate: 1-Chlorooctane	76.7	% 48.2-13	34						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	18						

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keine



#### Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/22/2024 Sampling Date: 08/22/2024

Reported: 08/28/2024 Sampling Type: Soil

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact
Project Number: 03B1417168 Sample Received By: Alyssa Parras

Project Location: OXY

#### Sample ID: DS 06 0.5 (H245134-06)

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	08/24/2024	ND	2.21	111	2.00	2.32	
Toluene*	<0.050	0.050	08/24/2024	ND	2.12	106	2.00	0.258	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.24	112	2.00	0.834	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.88	115	6.00	0.849	
Total BTEX	<0.300	0.300	08/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 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	<16.0	16.0	08/23/2024	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	08/23/2024	ND	217	108	200	3.91	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	206	103	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					
Surrogate: 1-Chlorooctane	76.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.5	% 49.1-14	8						

### Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keine



#### Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/22/2024 Sampling Date: 08/22/2024

Reported: 08/28/2024 Sampling Type: Soil

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact Project Number: 03B1417168 Sample Received By: Alyssa Parras

Project Location: OXY

#### Sample ID: DS 07 0.5 (H245134-07)

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	08/24/2024	ND	2.21	111	2.00	2.32	
Toluene*	<0.050	0.050	08/24/2024	ND	2.12	106	2.00	0.258	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.24	112	2.00	0.834	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.88	115	6.00	0.849	
Total BTEX	<0.300	0.300	08/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 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	16.0	16.0	08/23/2024	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	08/23/2024	ND	225	112	200	1.73	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	232	116	200	2.31	
EXT DRO >C28-C36	11.9	10.0	08/23/2024	ND					
Surrogate: 1-Chlorooctane	83.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.5	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keene



#### Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/22/2024 Sampling Date: 08/22/2024

Reported: 08/28/2024 Sampling Type: Soil

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact
Project Number: 03B1417168 Sample Received By: Alyssa Parras

Project Location: OXY

#### Sample ID: DS 08 0.5 (H245134-08)

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	08/24/2024	ND	2.21	111	2.00	2.32	
Toluene*	<0.050	0.050	08/24/2024	ND	2.12	106	2.00	0.258	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.24	112	2.00	0.834	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.88	115	6.00	0.849	
Total BTEX	<0.300	0.300	08/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 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	<16.0	16.0	08/23/2024	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	08/23/2024	ND	225	112	200	1.73	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	232	116	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					
Surrogate: 1-Chlorooctane	87.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	18						

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keine



#### **Notes and Definitions**

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

Cardinal Laboratories \*=Accredited Analyte

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

Celeg D. Freene

Released to Imaging: 2/5/2025 11:29:45 AM



# **CARDINAL** Laboratories

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

PRIORE #: (210)219-8585		(575) 393-23	26 FAX (575) 393-2	476																						
Address: 601 N. Marienfield St. STE 400  Clip: Midland State: TX Zip: 79701  Project R. Sampler St. STE 400  Attr: Wade Dittrich  Address: Clip: State: Zip: Project R. Sampler St. State: Zip: Project R. Sampler Name: North York York York York York York York York	Company Name: E	insolum, LLC									BIL	L 1	ro				-	NALY	SIS	REQU	EST					
Address: 601 M. Mariantel St. STE 400  City: Midland State: X Zip: 79701  Attn: Wade Dittrich  Address:  City: Dispose of the control of the	Project Manager: E	Beaux Jennings							P.C	0. #:																
City: Middland State: TX Zip: 79701  Attr.: Wade Dittrich Address:  Froject Name: (210)219-8858  Email:bjennings@ensolum.com Address:  Froject Name: (210)219-8858  Froject Name: (210)219-8858  Froject Location:  Project Location:  Sampler Name: (2001 Shimada  MATRIX. PRESERV. SAMPLING  DOS HILL  AND LO. Sampler I.D. Sample I.D. Sample Depth (Gest)  Sample Condition  Coll Intate  Coll Int	Address: 601 N.	Marienfeld St. STE 400							Co	mpai	ny: OX	CY U	SA													
PRODUCTION OF THE PROJECT OF THE PRO	Audi 633.		ip: 79701						Att	tn: Wa	ade Di	ittric	:h	-												
Project Name:   Not   Mode   Project Owner:   Site:   State:   Zip:   Project Name:   Not   Mode   Not   Not				nnin	gs@	ensol	um.co	m	Ad	dress	s:															
Project Name: No. 1 No.			oject Owner:						Cit	ty:					1											
Project Location:  Sampler Name: Kaoru Shimada    Process   Final   Fi	0.	7 (	5A 19T 954	-11	2				Sta	ate:		Zip	):		1		_				1		'			
MATRIX   PRESERV.   SAMPLING   DI		and Liebas P	713 (7. 101	<u> </u>	U				Ph	one #	t:				1		8						'			
MATRIX   PRESERV.   SAMPLING   DI		onii Shimada							Em	nail:					B	Σ	15									
Lab I.D.  Sample I.D.  Interest I.D.  Sample I.D.  Interest I.D.  Sample I.D.  Interest I.D.		iora Sriimada					MATE	RIX		PRES	ERV.	I	SAMPL	ING	2	5			1							
RELINGUISHED BY:  Relinquished By:  Relinquished By:  Delivered By:  Circle One)  Sampler - UPS - Bus - Other:  Relinquished By:  Corrected Temp. *C 2 8**  Corrected Temp. *C 3 8**  Corrected Temp. *C	Mostran	Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	OTHER:	ACID/BASE:	OTHER:		DATE		BTEX			Hold								
Received By:   Circle One   Connected Temp. "C 28"   Connected Temp. "C	H 245136	D> 01	0.5	C	)		X				X	8	-224	1	x	X	X		_		-	_	+-	$\vdash$		+-
ALBER NOTE: Librility and Dumages. Continue's lacifility and client's sectation immedy for any cleam sering whether based in curring and received by Cartifical within 30 days after complication of the supplies.  All clients including those for negligence and any other causes whatlancever after the bill be determed after an accountment of services because the bill be determed whatlancever after the bill be determed whatlancever and bill be determed and bill be determed whatlancever and bill be determed whatlancever and bill be determed and bill be determed by bill bill bill bill bill bill bill b	2		1	1	1		9				1		1	1 4	1	1	1		_	_	_	_	+-	$\vdash$		+-
PLASE NOTE: Listility and Diamogen. Contributin habitility and diamogen, included by any contribution of the agriculture services in supplicated services.  And clience including most for regulations and any other cause whethere were already element when the services in supplicated services.  And clience including most for regulations and any other cause whethere already element when an object and contributed by Candidal which is 30 days after completion of the seglicitable services.  In or owner shaft Condition is because for included to the performance of devices hereunder by Central, its subsidiaries, auditions or successions arising out of or related to the performance of devices hereunder by Central, its subsidiaries, auditions or successions arising out of or related to the performance of devices hereunder by Central, its subsidiaries, auditions or successions arising out of or related to the performance of devices hereunder by Central, its subsidiaries, auditions or successions arising out of or related to the performance of devices hereunder by Central, its subsidiaries, audition in based upon any of the above shallow shallow shallow shallow shallow shall resource or devices.  Relinquished By:    Date:														19 47			Н_		-	_	+	-	+-	$\vdash$	_	+
PLEASE NOTE: Liability and client's exclusive money for any client analysis and incurrence and any other cause whatcover shall be ideated waked unless made in writing and neceived by Caudinal within 30 days.  At claims including those for negligence and any other cause whatcover shall be deemed waked unless made in writing and neceived by Caudinal within 30 days.  At claims including those for negligence and any other cause whatcover shall be deemed waked unless made in writing and neceived by Caudinal within 30 days.  At claims including those for negligence and any other cause whatcover shall be deemed waked unless made in writing and neceived by Caudinal within 30 days.  At claims including those for negligence and any other cause whatcover shall be deemed waked unless made in writing and neceived by Caudinal within 30 days.  At claims including those for negligence and any other cause whatcover shall be deemed waked unless made in writing and neceived by Caudinal within 30 days.  At claims including those for negligence and any other cause whatcover shall be deemed waked unless made in writing and neceived by Caudinal within 30 days.  At claims including those for negligence and any other cause whatcover shall be deemed waked unless made in writing and neceived by Caudinal within 30 days.  At claims including those for negligence and any other cause whatcover shall be deemed waked unless made in writing and neceived by Caudinal within 30 days.  At claims including those for negligence and any other cause whatcover shall be deemed waked unless made in writing and neceived by Caudinal within 30 days.  At claims including those for negligence and any other cause whatcover shall be deemed waked unless made in writing and neceived by Caudinal within 30 days.  At claims including those for negligence and any other cause whatcover them and the shall be writing and neceived by Caudinal within 30 days.  At claims including those for negligence and any other cause whatcover deem and the writing and neceived by Caudin	ű	DSOH		П										1441		1	11	_	-	-	+-	-	+-	$\vdash$		+-
PLEASE NOTE: Liability and Dianegue. Cardinal's labelity and client's exclusive remonity for any claims mining whether based in contract or fort, shall be limited to the amount paid by the client for the amount paid by the client for the amount paid by the confliction of the application.  At claims including those for negligible one of the confliction of the application in no event shall Cardinal be liable for incidental dramages, including without limitation, business interruptions, loss of under conspicition of the application.  In no event shall Cardinal be liable for incidental or consequential dramages, including without limitation, business interruptions, loss of use, or loss of profile incurred by client, its subsidiaries and in the confliction of the application.  Reclinquished By:    Agency   Agenc	5	P505		П					$\perp$		1	$\perp$	1	700	$\vdash$	1	Н	-	-	-	+-	-	+-	$\vdash$	-	+-
PLEASE NOTE: Liability and Damages. Cardina's labelity and client's exclusive remarks of bot, shall be limited to the anount past by the client for he anount past by	6			Ш	Ш	$\sqcup$	$\perp$	$\perp$	$\perp$		11	+	4.	1	H	1	1	-	$\vdash$	-	+-	-	+-	$\vdash$	-	+-
PLEASE NOTE: Liability and Demages. Cardina's lability and clients exclusive remody for any clear arising whether based in contract or tort, shall be limited to the amount paid by the client for the applicable service.  All claims including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within 30 days after completion of the applicables service.  All claims including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within 30 days after completion of the applicables service.  In no event shalf or incidental or consequented damages, including without intraliation, buttless literations, loss of use, or loss of profile incurred by clark, its subsidiaries, affiliates or successions arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.    Page   Verbal   Result:   Ves   No   Add'! Phone #: All Results are emailed. Please provide Email address: bijennings@ensolum.com, klowery@ensolum.com   Date:   Received By:   Received By:   Received By:   Remarks: Paykey/AFE/NonAFE:   Time:   Standard   Nowery@ensolum.com   Bacteria (only) sample Condition   Cool Intact   Page   Ves	7	D507	V	1	1		1	1	1		И	-	22 28	1509	V	Y	V	-	$\vdash$	-	+-	-	+-	$\vdash$	-	+
All claims including those for negligence and any other course whatsoever shall be deemed warved unless through it will be a control of the shows statisfication to be light be for inclined table for incl	8	<i>25</i> 08	0.5	0	1	$\vdash$	X	Н-	+	$\vdash$	X	8-	11-14	17 11	X	X	5	_	+		-		+-	$\vdash$		+
All claims including those for negligence and any other course whatsoever shall be deemed warved unless through it will be a control of the shows statisfication to be light be for inclined table for incl		NE	T	┡	-	$\vdash$	+	<b>BK</b>	+	$\vdash$	+	+	Au	01187	-		1		1	PC	12	1	+-	$\vdash$		+
All claims including those for negligence and any other course whatsoever shall be deemed warved unless through it will be a control of the shows statisfication to be light be for inclined table for incl		IV [	ive remarks for any claim arising whether	er bases	d in contr	act or tort.	shall be lim	nited to the a	emount po	aid by the	client for th	he ana	alyses.	gus 1			1		1 /		1-	1/				
All Results are emailed. Please provide Email address: bjennings@ensolum.com, klowery@ensolum.com  Relinquished By:    Date:	All claims including those for	negligence and any other cause whatso	sever shall be deemed warved unle	ss mad	e in wri	ing and it	see of use	or loss of	nrofits in	ocurred b	v client, its	s subsi	idiaries.													
All Results are emailed. Please provide Email address: bjennings@ensolum.com klowery@ensolum.com  Relinquished By:  Date: Received By: REMARKS: Paykey/AFE/NonAFE:  Delivered By: (Circle One) Sampler - UPS - Bus - Other:  Observed Temp. *C 7.8* Corrected Temp. *C Cool Intact (Initials)  No No No No No Cool Intact Correction Factor -0.5* Cool Observed Temp. *C Correction Factor -0.5* Correction Factor -0.5* Cool Observed Temp. *C Correction Factor -0.5* Cool Observed Temp. *C Correction Factor -0.5* Correction Factor -0.5* Correction Factor -0.5* Cool Observed Temp. *C Cool Observed Te	affiliates or successors arising	out of or related to the performance of	services hereunder by Cardinal, re-	gardies	IS OF WITH	ether suci	1 Claim is a	pased upor	any of	the abov	e stated re	easons	or otherwise		lt: 🗆	Yes	X No				#:					
Relinquished By:  Date: Received By:  Time:  Delivered By: (Circle One) Sampler - UPS - Bus - Other:  Observed Temp. *C 7.8 Cool Intact Corrected Temp. *C 7.8 Cool Intact Correction Factor -0:5*C Correction Fact	Relinquished By:	Cl. 1	8-2024	- Inch	CEIVE	u by.								All Results a	re emai	led. Ple	ase pro	vide Em	ail addi	ess:						
Relinquished By:  Time:  Delivered By: (Circle One) Sampler - UPS - Bus - Other:  Observed Temp. *C Corrected Temp. *C Corrected Temp. *C Col Intact Image: Standard	165044	MIMADO	Time:	(	1			10	2									i i i i i i i i i i i i i i i i i i i								
Delivered By: (Circle One) Sampler - UPS - Bus - Other:  Observed Temp. *C Corrected Temp. *C Corrected Temp. *C Cool Intact    Yes   Yes   Yes   Yes   Correction Factor -0:5*C   Yes   Y	Relinquished By:		Date:	Re	ceive	d By:								REMARKS:	Раукеу	AFE/NO	IAFE:									
Delivered By: (Circle One) Sampler - UPS - Bus - Other:  Observed Temp. *C 7.8** Corrected Temp. *C 7.8**  Corrected Temp. *C 7.8**  Corrected Temp. *C 7.8**  Initials)  Rush  Cool Intact  (Initials)  Thermometer ID #113 i 470  Correction Factor -0:5*C Correction Factor			Time:	1																						
No No Correction Factor -0.5°C → Do ( A >			Corrected Temp °C	.8:	-	Co	ol Int	Yes	n					Rush	Cool I	ntact Oi	served Ter		mple Cond		Yes					
FORM-006 R 3.2 10/07/21							No _	No			AF	>									_	orrected Ter	ip. °C			

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



August 29, 2024

**BEAUX JENNINGS** 

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: NORTH HOBBS GSA UT 954-18

Enclosed are the results of analyses for samples received by the laboratory on 08/23/24 16:36.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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. Keene

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 BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/23/2024 Sampling Date: 08/23/2024

Reported: 08/29/2024 Sampling Type: Soil Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Coo

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact Project Number: 03B1417168 Sample Received By: Alyssa Parras

A ..... I ..... . J D. ... 711

Project Location: OXY

#### Sample ID: FS 03 0.5 (H245163-01)

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	08/27/2024	ND	2.07	103	2.00	0.528	
Toluene*	<0.050	0.050	08/27/2024	ND	2.01	100	2.00	0.839	
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.07	104	2.00	1.06	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	6.18	103	6.00	1.06	
Total BTEX	<0.300	0.300	08/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.7	% 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	448	16.0	08/27/2024	ND	416	104	400	7.41	
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	08/27/2024	ND	211	106	200	0.771	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	212	106	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					
Surrogate: 1-Chlorooctane	69.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.2	% 49.1-14	8						

### Cardinal Laboratories \*=Accredited Analyte

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

Celey & Keene



#### Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/23/2024 Sampling Date: 08/23/2024

Reported: 08/29/2024 Sampling Type: Soil

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact Project Number: 03B1417168 Sample Received By: Alyssa Parras

Project Location: OXY

#### Sample ID: FS 04 0.5 (H245163-02)

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	08/27/2024	ND	2.07	103	2.00	0.528	
Toluene*	<0.050	0.050	08/27/2024	ND	2.01	100	2.00	0.839	
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.07	104	2.00	1.06	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	6.18	103	6.00	1.06	
Total BTEX	<0.300	0.300	08/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.9	% 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	64.0	16.0	08/27/2024	ND	416	104	400	7.41	
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	08/27/2024	ND	211	106	200	0.771	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	212	106	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					
Surrogate: 1-Chlorooctane	80.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.2	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keene



#### Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/23/2024 Sampling Date: 08/23/2024

Reported: 08/29/2024 Sampling Type: Soil

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417168 Alyssa Parras

Project Location: OXY

#### Sample ID: FS 05 0.5 (H245163-03)

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	08/27/2024	ND	2.07	103	2.00	0.528	
Toluene*	<0.050	0.050	08/27/2024	ND	2.01	100	2.00	0.839	
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.07	104	2.00	1.06	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	6.18	103	6.00	1.06	
Total BTEX	<0.300	0.300	08/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.2	% 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	192	16.0	08/27/2024	ND	416	104	400	7.41	
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	08/27/2024	ND	211	106	200	0.771	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	212	106	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					
Surrogate: 1-Chlorooctane	79.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.3	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keene



#### Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/23/2024 Sampling Date: 08/23/2024

Reported: 08/29/2024 Sampling Type: Soil

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact
Project Number: 03B1417168 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: OXY

#### Sample ID: FS 06 0.5 (H245163-04)

RTFY 8021R

Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.050	0.050	08/27/2024	ND	2.07	103	2.00	0.528	
<0.050	0.050	08/27/2024	ND	2.01	100	2.00	0.839	
<0.050	0.050	08/27/2024	ND	2.07	104	2.00	1.06	
<0.150	0.150	08/27/2024	ND	6.18	103	6.00	1.06	
<0.300	0.300	08/27/2024	ND					
95.6	% 71.5-13	4						
mg	/kg	Analyze	d By: HM					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
512	16.0	08/27/2024	ND	416	104	400	7.41	
mg,	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	08/27/2024	ND	211	106	200	0.771	
<10.0	10.0	08/27/2024	ND	212	106	200	1.74	
<10.0	10.0	08/27/2024	ND					
80.6	% 48.2-13	4						
96.2	% 49.1-14	8						
	<0.050 <0.050 <0.050 <0.150 <0.300  95.6  mg,  Result  512  mg,  Result <10.0 <10.0 <80.6	<0.050 <0.050 <0.050 <0.050 <0.050 <0.150 <0.300 95.6 % 71.5-13 mg/kg Result Reporting Limit 512 16.0 mg/kg Result Reporting Limit <10.0 <10.0 <10.0 <10.0 <10.0 <48.2-13	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keene



#### Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/23/2024 Sampling Date: 08/23/2024

Reported: 08/29/2024 Sampling Type: Soil

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact
Project Number: 03B1417168 Sample Received By: Alyssa Parras

Project Location: OXY

#### Sample ID: FS 07 1 (H245163-05)

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	08/27/2024	ND	2.07	103	2.00	0.528	
Toluene*	<0.050	0.050	08/27/2024	ND	2.01	100	2.00	0.839	
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.07	104	2.00	1.06	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	6.18	103	6.00	1.06	
Total BTEX	<0.300	0.300	08/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.9	% 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	304	16.0	08/27/2024	ND	416	104	400	7.41	
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	08/27/2024	ND	211	106	200	0.771	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	212	106	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					
Surrogate: 1-Chlorooctane	87.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keene



#### Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/23/2024 Sampling Date: 08/23/2024

Reported: 08/29/2024 Sampling Type: Soil

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact
Project Number: 03B1417168 Sample Received By: Alyssa Parras

Project Location: OXY

#### Sample ID: FS 08 0.5 (H245163-06)

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	08/27/2024	ND	2.07	103	2.00	0.528	
Toluene*	<0.050	0.050	08/27/2024	ND	2.01	100	2.00	0.839	
Ethylbenzene*	< 0.050	0.050	08/27/2024	ND	2.07	104	2.00	1.06	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	6.18	103	6.00	1.06	
Total BTEX	<0.300	0.300	08/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.7	% 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	128	16.0	08/27/2024	ND	416	104	400	7.41	
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	08/26/2024	ND	224	112	200	0.232	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	213	106	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					
Surrogate: 1-Chlorooctane	80.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.2	% 49.1-14	8						

### Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keine



#### Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/23/2024 Sampling Date: 08/23/2024

Reported: 08/29/2024 Sampling Type: Soil

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact
Project Number: 03B1417168 Sample Received By: Alyssa Parras

Project Location: OXY

#### Sample ID: FS 09 0.5 (H245163-07)

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	08/27/2024	ND	2.07	103	2.00	0.528	
Toluene*	<0.050	0.050	08/27/2024	ND	2.01	100	2.00	0.839	
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.07	104	2.00	1.06	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	6.18	103	6.00	1.06	
Total BTEX	<0.300	0.300	08/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.6	% 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	208	16.0	08/27/2024	ND	416	104	400	7.41	
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	08/26/2024	ND	224	112	200	0.232	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	213	106	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					
Surrogate: 1-Chlorooctane	79.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.2	% 49.1-14	18						

### Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keine



#### Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/23/2024 Sampling Date: 08/23/2024

Reported: 08/29/2024 Sampling Type: Soil

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact
Project Number: 03B1417168 Sample Received By: Alyssa Parras

Project Location: OXY

#### Sample ID: FS 10 0.5 (H245163-08)

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	08/27/2024	ND	2.07	103	2.00	0.528	
Toluene*	<0.050	0.050	08/27/2024	ND	2.01	100	2.00	0.839	
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.07	104	2.00	1.06	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	6.18	103	6.00	1.06	
Total BTEX	<0.300	0.300	08/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.6	% 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	160	16.0	08/27/2024	ND	416	104	400	7.41	
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	08/26/2024	ND	224	112	200	0.232	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	213	106	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					
Surrogate: 1-Chlorooctane	80.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.9	% 49.1-14	8						

### Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keene



#### Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/23/2024 Sampling Date: 08/23/2024

Reported: 08/29/2024 Sampling Type: Soil

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact
Project Number: 03B1417168 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: OXY

mg/kg

#### Sample ID: FS 11 0.5 (H245163-09)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2024	ND	2.07	103	2.00	0.528	
Toluene*	<0.050	0.050	08/27/2024	ND	2.01	100	2.00	0.839	
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.07	104	2.00	1.06	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	6.18	103	6.00	1.06	
Total BTEX	<0.300	0.300	08/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.1	% 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	416	16.0	08/27/2024	ND	416	104	400	7.41	
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	08/26/2024	ND	224	112	200	0.232	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	213	106	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					
Surrogate: 1-Chlorooctane	75.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.7	% 49.1-14	8						

### Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keine



#### Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/23/2024 Sampling Date: 08/23/2024

Reported: 08/29/2024 Sampling Type: Soil

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact
Project Number: 03B1417168 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: OXY

#### Sample ID: FS 12 0.5 (H245163-10)

RTFY 8021R

BIEX 8021B	mg,	кg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.06	103	2.00	9.68	QM-07
Toluene*	<0.050	0.050	08/26/2024	ND	2.15	108	2.00	9.18	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	2.20	110	2.00	9.49	QM-07
Total Xylenes*	<0.150	0.150	08/26/2024	ND	6.62	110	6.00	8.87	QM-07
Total BTEX	<0.300	0.300	08/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 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	336	16.0	08/27/2024	ND	416	104	400	7.41	
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	08/26/2024	ND	224	112	200	0.232	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	213	106	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					
Surrogate: 1-Chlorooctane	75.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keene



#### Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/23/2024 Sampling Date: 08/23/2024

Reported: 08/29/2024 Sampling Type: Soil

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact
Project Number: 03B1417168 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: OXY

#### Sample ID: FS 13 0.5 (H245163-11)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.06	103	2.00	9.68	
Toluene*	<0.050	0.050	08/26/2024	ND	2.15	108	2.00	9.18	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	2.20	110	2.00	9.49	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	6.62	110	6.00	8.87	
Total BTEX	<0.300	0.300	08/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	120	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	08/27/2024	ND	416	104	400	7.41	
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	08/26/2024	ND	224	112	200	0.232	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	213	106	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					
Surrogate: 1-Chlorooctane	74.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keene



#### Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/23/2024 Sampling Date: 08/23/2024

Reported: 08/29/2024 Sampling Type: Soil

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact
Project Number: 03B1417168 Sample Received By: Alyssa Parras

Project Location: OXY

#### Sample ID: FS 14 1 (H245163-12)

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	08/26/2024	ND	2.06	103	2.00	9.68	
Toluene*	<0.050	0.050	08/26/2024	ND	2.15	108	2.00	9.18	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	2.20	110	2.00	9.49	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	6.62	110	6.00	8.87	
Total BTEX	<0.300	0.300	08/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	123	% 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	624	16.0	08/27/2024	ND	416	104	400	7.41	
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	08/26/2024	ND	224	112	200	0.232	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	213	106	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					
Surrogate: 1-Chlorooctane	73.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.3	% 49.1-14	18						

### Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keene



#### Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/23/2024 Sampling Date: 08/23/2024

Reported: 08/29/2024 Sampling Type: Soil

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact
Project Number: 03B1417168 Sample Received By: Alyssa Parras

Project Location: OXY

#### Sample ID: FS 15 1 (H245163-13)

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	08/26/2024	ND	2.06	103	2.00	9.68	
Toluene*	<0.050	0.050	08/26/2024	ND	2.15	108	2.00	9.18	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	2.20	110	2.00	9.49	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	6.62	110	6.00	8.87	
Total BTEX	<0.300	0.300	08/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 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	368	16.0	08/27/2024	ND	416	104	400	7.41	
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	08/26/2024	ND	224	112	200	0.232	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	213	106	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					
Surrogate: 1-Chlorooctane	64.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.9	% 49.1-14	8						

### Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Kreine



#### Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/23/2024 Sampling Date: 08/23/2024

Reported: 08/29/2024 Sampling Type: Soil

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417168 Alyssa Parras

Project Location: OXY

#### Sample ID: FS 17 0.5 (H245163-14)

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	08/26/2024	ND	2.06	103	2.00	9.68	
Toluene*	<0.050	0.050	08/26/2024	ND	2.15	108	2.00	9.18	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	2.20	110	2.00	9.49	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	6.62	110	6.00	8.87	
Total BTEX	<0.300	0.300	08/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	122 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/27/2024	ND	448	112	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	08/26/2024	ND	224	112	200	0.232	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	213	106	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					
Surrogate: 1-Chlorooctane	73.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.7	% 49.1-14	8						

#### Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keine



#### Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/23/2024 Sampling Date: 08/23/2024

Reported: 08/29/2024 Sampling Type: Soil

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact Project Number: 03B1417168 Sample Received By: Alyssa Parras

Project Location: OXY

#### Sample ID: FS 18 0.5 (H245163-15)

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	08/26/2024	ND	2.06	103	2.00	9.68	
Toluene*	<0.050	0.050	08/26/2024	ND	2.15	108	2.00	9.18	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	2.20	110	2.00	9.49	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	6.62	110	6.00	8.87	
Total BTEX	<0.300	0.300	08/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	121 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/27/2024	ND	448	112	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	08/26/2024	ND	224	112	200	0.232	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	213	106	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					
Surrogate: 1-Chlorooctane	73.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.1	% 49.1-14	8						

#### Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keene



#### Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/23/2024 Sampling Date: 08/23/2024

Reported: 08/29/2024 Sampling Type: Soil

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact
Project Number: 03B1417168 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: OXY

ma/ka

#### Sample ID: FS 19 1 (H245163-16)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2024	ND	2.06	103	2.00	9.68	
Toluene*	<0.050	0.050	08/27/2024	ND	2.15	108	2.00	9.18	
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.20	110	2.00	9.49	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	6.62	110	6.00	8.87	
Total BTEX	<0.300	0.300	08/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	120	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	08/27/2024	ND	448	112	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	08/26/2024	ND	224	112	200	0.232	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	213	106	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					
Surrogate: 1-Chlorooctane	62.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	68.1	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keine



#### **Notes and Definitions**

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

Cardinal Laboratories \*=Accredited Analyte

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

Celeg D. Freene

Released to Imaging: 2/5/2025 11:29:45 AM



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

	(575) 393-232	6 FAX (575) 393-2	476						DII	L TO				A	NALYS	SIS R	REQUE	ST				_
company Name: E	nsolum, LLC							P.O. #	-													
Project Manager: B	eaux Jennings					_				XY USA												
ddress: 601 N. I	Marienfeld St. STE 400							-	Wade D			- 1					.					
City: Midland	State: TX Zip	: 79701 Email:bje	nnino	ıs@e	nsolu	m.con	n	Addre														
Phone #: (210)219	- 1 D	ject Owner:		,-6-		_		City:														
Project #: 033	2414180		95	4~	10			State:		Zip:				0					- 1		1	
	sorth Hobbs (	-SA VI	()	·	10			Phone	e#:			_	_	4500								
Project Location:	01:							Email	l:			1B	8015M									
Sampler Name: Ka	aoru Shimada					MATRI	Х	PR	ESERV.	SAMPLI	NG	8021	7	l e					- 1			
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	OTHER: ACID/BASE:	ICE / COOL	DATE	TIME	X BTEX 8	× TPH 8	Chloride	Hold							
H245143	F503	0,5	6	1		X		11	X	10-23-24	1010	1	A	7 1								+
	55 04	0.5	11	1		1	$\vdash$	+	M	11	101-6	17	1	11						-	+	+
2	\$505	0.5	11	Н	$\vdash$	+	+	+	-1/1	1	763	H	1/					_	_	-	-	+
· ·	F3 06	0.5	11	H	$\vdash$	+	+	+	-111	+	700			11		-	-	-	-	$\vdash$	+	+
3	ラグチ	05	+	H	$\vdash$	+	++	+	-1/1		74584	2		11	-	+-	+-	+-	-	-	-	$\top$
U	45 08	0.7	+	+	+	+	+	$\top$	111		847	11	11	11	+-	+	+-	+	-			
7	45 09	+1	1	$^{\dagger\dagger}$	$\vdash$	#	$\top$	$\top$			850	11	11	1	+-	+	+	+-				
3	\$9 10 \$9 11		1	1		V			V	255	854	1	10	14	+	+	_					
9	41-12	0,5	C	. 1		X			X I	(0-23-24) for the analyses.	100		10									
PLEASE NOTE: Liability and D	tamages. Cardina's liability and client's exclusion negligence and any other cause whatso	ive remedy for any claim arising who	ther base less ma	id in contr de in wri	ract or tort, ting and re	shall be list	y Cardinal	within 30 da	ays after cor	mpletion of the application, its subsidiaries,	le service.											
All claims including those to In no event shall Cardinal br affiliates or successors arisin Relinquished By:	e liable for incidental or consequental dan ng out of or related to the performance of	nages, including without limitation services hereunder by Cardinal,	regardle	ss of wh	ether such	daim is	based upo	n any of the	above stat	ed reasons or otherwis	All Results bjennings@	are ema	n.com, k	lease p	ensolum	nail add	'I Phone : dress:	#:				
Karn	Side of		Pe	ceive	ed By:				~		REMARKS:	Payke	y/AFE/N	lonAFE								
Relinquished By	:	Date:	1	- GIVE	ou sy.																	
		Time:			1 6	mple	Conditi	on T	CH	ECKED BY:	Turnaround Time	e: St	andard [	В	acteria (only)	Sample Co	ondition					
Delivered By: (Circ Sampler - UPS - E	cle One) Bus - Other:	Observed Temp. °C Corrected Temp. °C	29	G	Co	ool Ir	ntact	0.1	511	(Initials)	Rush	1	.1	Observed	Temp. °C	1	Yes[					
		,	7.2			] No [	] No			(AD)	Correction F	actor 4		0.6					Corrected Ter	mp. °C		

FORM-006 R 3.2 10/07/21

<sup>†</sup> Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Released to Imaging: 2/5/2025 11:29:45 AM



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

		FAX (575) 393-2	4/6					_																	
Company Name:	Ensolum, LLC									BI	LL	. <i>TO</i>					ANAL'	YSIS	REQU	EST					
Project Manager:	Beaux Jennings								0. #:																
Address: 601 N.	Marienfeld St. STE 400							C	ompa	any: (	YXC	USA						1						- 1	
City: Midland	State: TX Zip:	79701						At	ttn: V	Vade	Ditt	trich						1							
Phone #: (210)21	9-8858	Email:bje	nnin	gs@e	ensolur	n.co	m	A	ddres	ss:								1							- 1
Project #: 037	3/4/7/68 Proje	ect Owner:						C	ity:											1					
Project Name:	North Hobbs	GSAUT		95	4-1	8		St	tate:		- 7	Zip:											-		- 1
Project Location:								PI	hone	#:						4500									
Sampler Name: Ka	aoru Shimada							E	mail:					B	Σ	45								- 1	
FOR LAB USE ONLY			٠.		, N	IATRI	х		PRE	SERV	<i>'</i> .	SAMPL	ING	5	15						1				
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	OTHER:	ACID/BASE:	ICE / COOL C	- Curen	DATE	TIME	BTEX 8021B	<b>TPH 8015M</b>	Chloride	Hold								
4297W2	£513	0:5	C	1		X	<u> </u>	+	1	X		8-23-4	902	x	×	×									
17	F514	1	2	i		X		T		M	1	2-23-24	741	X	X	X									
13	F515	1	C	i		X		I		X		8-23-24	1309	x	X	×									
DO 148-232	4 -15+6- 5K																			_	_		_		
1514	F5/7	0.5	C	Ī	$\perp$	X	_	$\perp$	┡	X	- 5	8-23-24	1155	X	X	X		-	-	₩	-	$\vdash$	-		-
13	F5 1'8	0.5	(	1	$\perp$	×	+	+	$\vdash$	K)	-	8-13-14	1158	X	X	X		-	-	+-	-	$\vdash$	-	-	-
10	F319	1	6	1	-	λ	+	+	-	XI.	4	8-23-24	1313	X	X	x		+-	-	+	-	$\vdash$	-	$\rightarrow$	-
	<u> </u>	( ·		H	+		4	1	$\vdash$	₩	+		Â	-		1	_	-	-	+	10	0	2 10	_	$\dashv$
		l X	X	$\vee$	+	-1		+	$\vdash$	+	+	-/	MA	11	6	H	-	12		-	1/	1	4	$\neg$	$\dashv$
All claims including those for a In no event shall Cardinal be li	nages. Cardinal's liability and client's exclusive re- negligence and any other cause whatsoever- able for incidental or consequental damages out of or related to the performance of service	shall be deemed waived unles , including without limitation, b	s made	in writing	g and receive	red by C f use, or	ardinal wi	ithin 30 rofits in	days a	fter comp by client,	pletion its su	of the applicable obsidiaries,	e service.	100		4		1	7	μ			/		
Relinquished By:	Shimada	Date: 2324		eived			. 0-						Verbal Results ar bjennings@en	re email	ed. Plea			ail addr	Phone # ress:						$\neg$
Relinguished By:	July milly M	10/19	Rec	eived	By:		W	)_					REMARKS: F	Paykey//	AFE/Non	AFE:									$\dashv$
Kelliquished by.		Time:	Noc	CIVCO	Dy.									, ,											
Delivered By: (Circle Sampler - UPS - Bus		erved Temp. °C 7	9	`C	Samp Cool	Inta	100	1			CKE	D BY:	Turnaround Time:  Rush		tact Obs	Bacter served Tem		1	Yes		errected Temp.	*c			
EORM-006	R 3.2 10/07/21																								

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



September 11, 2024

**BEAUX JENNINGS** 

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: NORTH HOBBS GSA UT 954-18

Enclosed are the results of analyses for samples received by the laboratory on 09/06/24 13:05.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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. Keene

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 **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/06/2024 Reported: 09/11/2024

Project Name: NORTH HOBBS GSA UT 954-18

Project Number: 03B1417168 OXY- LEA CO NM

Project Location:

Sampling Date: 09/06/2024 Soil

Sampling Type:

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

#### Sample ID: FS 14 1.5' (H245408-01)

Chloride, SM4500Cl-B		/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/09/2024	ND	400	100	400	11.3	

#### Sample ID: FS 16 1' (H245408-02)

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	09/09/2024	ND	1.98	99.1	2.00	5.72	
Toluene*	<0.050	0.050	09/09/2024	ND	2.22	111	2.00	5.89	
Ethylbenzene*	<0.050	0.050	09/09/2024	ND	2.30	115	2.00	3.10	
Total Xylenes*	<0.150	0.150	09/09/2024	ND	6.97	116	6.00	0.0744	
Total BTEX	<0.300	0.300	09/09/2024	ND					
	(DVD 1244	71.5.12							

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

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/09/2024	ND	400	100	400	3.92	
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	09/09/2024	ND	200	100	200	4.40	
DRO >C10-C28*	<10.0	10.0	09/09/2024	ND	195	97.6	200	5.78	
EXT DRO >C28-C36	<10.0	10.0	09/09/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Cardinal Laboratories \*=Accredited Analyte

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

Celecy D. Keene



#### Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705

Fax To:

49.1-148

Received: 09/06/2024 Sampling Date: 09/06/2024

Reported: 09/11/2024 Sampling Type: Soil

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact
Project Number: 03B1417168 Sample Received By: Tamara Oldaker

Project Location: OXY- LEA CO NM

### Sample ID: FS 16 1' (H245408-02)

Surrogate: 1-Chlorooctadecane

TPH 8015M mg/kg Analyzed By: MS

Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier

96.9 %

Cardinal Laboratories \*=Accredited Analyte

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

Celeg D. Freene



#### Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/06/2024 Reported:

09/11/2024 NORTH HOBBS GSA UT 954-18

Project Number: 03B1417168 OXY- LEA CO NM

Project Location:

Sampling Date: 09/06/2024

Sampling Type: Soil

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

### Sample ID: FS 20 1' (H245408-03)

Project Name:

BTEX 8021B	mg,	/kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2024	ND	1.98	99.1	2.00	5.72	
Toluene*	<0.050	0.050	09/09/2024	ND	2.22	111	2.00	5.89	
Ethylbenzene*	<0.050	0.050	09/09/2024	ND	2.30	115	2.00	3.10	
Total Xylenes*	<0.150	0.150	09/09/2024	ND	6.97	116	6.00	0.0744	
Total BTEX	<0.300	0.300	09/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	136	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/09/2024	ND	400	100	400	3.92	
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	09/09/2024	ND	200	100	200	4.40	
DRO >C10-C28*	<10.0	10.0	09/09/2024	ND	195	97.6	200	5.78	
EXT DRO >C28-C36	<10.0	10.0	09/09/2024	ND					
Surrogate: 1-Chlorooctane	118	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keene



#### Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/06/2024 Sampling Date: 09/06/2024

Reported: 09/11/2024 Sampling Type: Soil

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact
Project Number: 03B1417168 Sample Received By: Tamara Oldaker

Project Location: OXY- LEA CO NM

#### Sample ID: FS 21 1' (H245408-04)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2024	ND	1.98	99.1	2.00	5.72	
Toluene*	<0.050	0.050	09/09/2024	ND	2.22	111	2.00	5.89	
Ethylbenzene*	<0.050	0.050	09/09/2024	ND	2.30	115	2.00	3.10	
Total Xylenes*	<0.150	0.150	09/09/2024	ND	6.97	116	6.00	0.0744	
Total BTEX	<0.300	0.300	09/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	136	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/09/2024	ND	400	100	400	3.92	
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	09/09/2024	ND	200	100	200	4.40	
DRO >C10-C28*	<10.0	10.0	09/09/2024	ND	195	97.6	200	5.78	
EXT DRO >C28-C36	<10.0	10.0	09/09/2024	ND					
Surrogate: 1-Chlorooctane	112 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keine

C-04



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

#### Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/06/2024 Sampling Date: 09/06/2024

Reported: 09/11/2024 Sampling Type: Soil

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact
Project Number: 03B1417168 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: OXY- LEA CO NM

ma/ka

#### Sample ID: FS 22 1' (H245408-05)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					5-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2024	ND	1.98	99.1	2.00	5.72	
Toluene*	<0.050	0.050	09/09/2024	ND	2.22	111	2.00	5.89	
Ethylbenzene*	<0.050	0.050	09/09/2024	ND	2.30	115	2.00	3.10	
Total Xylenes*	<0.150	0.150	09/09/2024	ND	6.97	116	6.00	0.0744	
Total BTEX	<0.300	0.300	09/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	137	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/09/2024	ND	400	100	400	3.92	
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	09/09/2024	ND	200	100	200	4.40	
DRO >C10-C28*	<10.0	10.0	09/09/2024	ND	195	97.6	200	5.78	
EXT DRO >C28-C36	<10.0	10.0	09/09/2024	ND					
Surrogate: 1-Chlorooctane	115	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keine



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

### Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/06/2024 Sampling Date: 09/06/2024

Reported: 09/11/2024 Sampling Type: Soil

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact
Project Number: 03B1417168 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: OXY- LEA CO NM

ma/ka

### Sample ID: FS 23 1' (H245408-06)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					5-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2024	ND	1.98	99.1	2.00	5.72	
Toluene*	<0.050	0.050	09/09/2024	ND	2.22	111	2.00	5.89	
Ethylbenzene*	<0.050	0.050	09/09/2024	ND	2.30	115	2.00	3.10	
Total Xylenes*	<0.150	0.150	09/09/2024	ND	6.97	116	6.00	0.0744	
Total BTEX	<0.300	0.300	09/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	144	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/09/2024	ND	400	100	400	3.92	
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	09/09/2024	ND	200	100	200	4.40	
DRO >C10-C28*	<10.0	10.0	09/09/2024	ND	195	97.6	200	5.78	
EXT DRO >C28-C36	<10.0	10.0	09/09/2024	ND					
Surrogate: 1-Chlorooctane	117	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keine



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

### Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/06/2024 Sampling Date: 09/06/2024

Reported: 09/11/2024 Sampling Type: Soil

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact
Project Number: 03B1417168 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: OXY- LEA CO NM

ma/ka

### Sample ID: FS 24 1.5' (H245408-07)

RTFY 8021R

Reporting Limit 0 0.050 0 0.050 0 0.050 0 0.150	Analyzed 09/09/2024 09/09/2024 09/09/2024	Method Blank ND ND	BS 1.98 2.22	% Recovery 99.1 111	True Value QC 2.00	RPD 5.72	Qualifier
0 0.050 0 0.050	09/09/2024					5.72	
0 0.050		ND	2.22	111			
	09/09/2024			111	2.00	5.89	
0 0.150		ND	2.30	115	2.00	3.10	
	09/09/2024	ND	6.97	116	6.00	0.0744	
0 0.300	09/09/2024	ND					
43 % 71.5-	134						
ng/kg	Analyze	Analyzed By: CT					
Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
16.0	09/09/2024	ND	400	100	400	3.92	
ng/kg	Analyze	d By: MS					
Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
10.0	09/09/2024	ND	200	100	200	4.40	
10.0	09/09/2024	ND	195	97.6	200	5.78	
10.0	09/09/2024	ND					
15 % 48.2-	134						
14% 49.1-	148						
1	Reporting Limit 10.0 10.0 10.0 10.0 10.0 48.2-	Reporting Limit Analyzed 10.0 09/09/2024 10.0 09/09/2024 10.0 09/09/2024 10.0 09/09/2024 15 % 48.2-134	Analyzed By: MS  Reporting Limit Analyzed Method Blank D 10.0 09/09/2024 ND D 10.0 09/09/2024 ND D 10.0 09/09/2024 ND D 10.0 09/09/2024 ND	Analyzed By: MS  Reporting Limit Analyzed Method Blank BS  10. 10.0 09/09/2024 ND 200  10.0 09/09/2024 ND 195  10.0 09/09/2024 ND 195  15.% 48.2-134	Analyzed By: MS  t Reporting Limit Analyzed Method Blank BS % Recovery 1 10.0 09/09/2024 ND 200 100 1 10.0 09/09/2024 ND 195 97.6 1 10.0 09/09/2024 ND	Ing/kg         Analyzed By: MS           t         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC           0         10.0         09/09/2024         ND         200         100         200           0         10.0         09/09/2024         ND         195         97.6         200           0         10.0         09/09/2024         ND         48.2-134         48.2-134	Analyzed By: MS  Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD  10.0 09/09/2024 ND 200 100 200 4.40  10.0 09/09/2024 ND 195 97.6 200 5.78  10.0 09/09/2024 ND

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keene



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

### Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/06/2024 Sampling Date: 09/06/2024

Reported: Sampling Type: Soil 09/11/2024

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact Project Number: 03B1417168 Sample Received By: Tamara Oldaker

Project Location: OXY- LEA CO NM

### Sample ID: FS 25 1.5' (H245408-08)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2024	ND	1.98	99.1	2.00	5.72	
Toluene*	<0.050	0.050	09/09/2024	ND	2.22	111	2.00	5.89	
Ethylbenzene*	<0.050	0.050	09/09/2024	ND	2.30	115	2.00	3.10	
Total Xylenes*	<0.150	0.150	09/09/2024	ND	6.97	116	6.00	0.0744	
Total BTEX	<0.300	0.300	09/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	147 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/09/2024	ND	400	100	400	3.92	
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	09/09/2024	ND	200	100	200	4.40	
DRO >C10-C28*	<10.0	10.0	09/09/2024	ND	195	97.6	200	5.78	
EXT DRO >C28-C36	<10.0	10.0	09/09/2024	ND					
Surrogate: 1-Chlorooctane	106 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	% 49.1-14	8						

### Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keine



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

### Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/06/2024 Sampling Date: 09/06/2024

Reported: Sampling Type: Soil 09/11/2024

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 03B1417168

Project Location: OXY- LEA CO NM

### Sample ID: FS 26 1' (H245408-09)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2024	ND	1.98	99.1	2.00	5.72	
Toluene*	<0.050	0.050	09/09/2024	ND	2.22	111	2.00	5.89	
Ethylbenzene*	<0.050	0.050	09/09/2024	ND	2.30	115	2.00	3.10	
Total Xylenes*	<0.150	0.150	09/09/2024	ND	6.97	116	6.00	0.0744	
Total BTEX	<0.300	0.300	09/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	146 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/09/2024	ND	400	100	400	3.92	
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	09/09/2024	ND	200	100	200	4.40	
DRO >C10-C28*	<10.0	10.0	09/09/2024	ND	195	97.6	200	5.78	
EXT DRO >C28-C36	<10.0	10.0	09/09/2024	ND					
Surrogate: 1-Chlorooctane	102 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.8	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keine



### Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/06/2024 Sampling Date: 09/06/2024
Reported: 09/11/2024 Sampling Type: Soil

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact
Project Number: 03B1417168 Sample Received By: Tamara Oldaker

Project Location: OXY- LEA CO NM

### Sample ID: FS 27 1' (H245408-10)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2024	ND	1.98	99.1	2.00	5.72	
Toluene*	<0.050	0.050	09/09/2024	ND	2.22	111	2.00	5.89	
Ethylbenzene*	<0.050	0.050	09/09/2024	ND	2.30	115	2.00	3.10	
Total Xylenes*	<0.150	0.150	09/09/2024	ND	6.97	116	6.00	0.0744	
Total BTEX	<0.300	0.300	09/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	137	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/09/2024	ND	400	100	400	3.92	
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	09/09/2024	ND	200	100	200	4.40	
DRO >C10-C28*	<10.0	10.0	09/09/2024	ND	195	97.6	200	5.78	
EXT DRO >C28-C36	<10.0	10.0	09/09/2024	ND					
Surrogate: 1-Chlorooctane	110	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keine



### Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/06/2024 Sampling Date: 09/06/2024

Reported: 09/11/2024 Sampling Type: Soil Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact
Project Number: 03B1417168 Sample Received By: Tamara Oldaker

Project Location: OXY- LEA CO NM

### Sample ID: FS 28 1' (H245408-11)

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	09/09/2024	ND	1.98	99.1	2.00	5.72	
Toluene*	<0.050	0.050	09/09/2024	ND	2.22	111	2.00	5.89	
Ethylbenzene*	<0.050	0.050	09/09/2024	ND	2.30	115	2.00	3.10	
Total Xylenes*	<0.150	0.150	09/09/2024	ND	6.97	116	6.00	0.0744	
Total BTEX	<0.300	0.300	09/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	133	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/09/2024	ND	400	100	400	3.92	
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	09/10/2024	ND	205	103	200	2.34	
DRO >C10-C28*	<10.0	10.0	09/10/2024	ND	207	103	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	09/10/2024	ND					
Surrogate: 1-Chlorooctane	99.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114	% 49.1-14	8						

### Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keine



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

### Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/06/2024 Sampling Date: 09/06/2024

Reported: Sampling Type: Soil 09/11/2024

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 03B1417168

Project Location: OXY- LEA CO NM

### Sample ID: FS 29 1' (H245408-12)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2024	ND	1.98	99.1	2.00	5.72	
Toluene*	<0.050	0.050	09/09/2024	ND	2.22	111	2.00	5.89	
Ethylbenzene*	<0.050	0.050	09/09/2024	ND	2.30	115	2.00	3.10	
Total Xylenes*	<0.150	0.150	09/09/2024	ND	6.97	116	6.00	0.0744	
Total BTEX	<0.300	0.300	09/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	143 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/09/2024	ND	400	100	400	3.92	
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	09/10/2024	ND	205	103	200	2.34	
DRO >C10-C28*	<10.0	10.0	09/10/2024	ND	207	103	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	09/10/2024	ND					
Surrogate: 1-Chlorooctane	88.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keine



### Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Reported: 09/11/2024

Project Name: NORTH HOBBS GSA UT 954-18
Project Number: 03B1417168

09/06/2024

Project Location: OXY- LEA CO NM

Sampling Date: 09/06/2024

Sampling Type: Soil

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

### Sample ID: DS 04 1' (H245408-13)

Received:

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	09/10/2024	ND	205	103	200	2.34	
DRO >C10-C28*	<10.0	10.0	09/10/2024	ND	207	103	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	09/10/2024	ND					
Surrogate: 1-Chlorooctane	101 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 %	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keine



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

### Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/06/2024 Sampling Date: 09/06/2024

Reported: 09/11/2024 Sampling Type: Soil

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact
Project Number: 03B1417168 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: OXY- LEA CO NM

### Sample ID: SW 01 0-1.5' (H245408-14)

BTEX 8021B

	9/	9	7	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2024	ND	1.98	99.1	2.00	5.72	
Toluene*	<0.050	0.050	09/09/2024	ND	2.22	111	2.00	5.89	
Ethylbenzene*	<0.050	0.050	09/09/2024	ND	2.30	115	2.00	3.10	
Total Xylenes*	<0.150	0.150	09/09/2024	ND	6.97	116	6.00	0.0744	
Total BTEX	<0.300	0.300	09/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	136	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/09/2024	ND	400	100	400	3.92	
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	09/09/2024	ND	205	103	200	2.34	
DRO >C10-C28*	<10.0	10.0	09/09/2024	ND	207	103	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	09/09/2024	ND					
Surrogate: 1-Chlorooctane	91.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.1	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keene



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

### Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/06/2024 Sampling Date: 09/06/2024

Reported: 09/11/2024 Sampling Type: Soil

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact
Project Number: 03B1417168 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: OXY- LEA CO NM

### Sample ID: SW 02 0-0.5' (H245408-15)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2024	ND	1.98	99.1	2.00	5.72	
Toluene*	<0.050	0.050	09/09/2024	ND	2.22	111	2.00	5.89	
Ethylbenzene*	<0.050	0.050	09/09/2024	ND	2.30	115	2.00	3.10	
Total Xylenes*	<0.150	0.150	09/09/2024	ND	6.97	116	6.00	0.0744	
Total BTEX	<0.300	0.300	09/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	135	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	09/09/2024	ND	400	100	400	3.92	
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	09/09/2024	ND	205	103	200	2.34	
DRO >C10-C28*	<10.0	10.0	09/09/2024	ND	207	103	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	09/09/2024	ND					
Surrogate: 1-Chlorooctane	96.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keine



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

### Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/06/2024 Sampling Date: 09/06/2024

Reported: Sampling Type: Soil 09/11/2024

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 03B1417168 Sample Received By:

Project Location: OXY- LEA CO NM

### Sample ID: SW 03 0-1' (H245408-16)

BTEX 8021B	mg/	kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2024	ND	1.98	99.1	2.00	5.72	
Toluene*	<0.050	0.050	09/09/2024	ND	2.22	111	2.00	5.89	
Ethylbenzene*	< 0.050	0.050	09/09/2024	ND	2.30	115	2.00	3.10	
Total Xylenes*	<0.150	0.150	09/09/2024	ND	6.97	116	6.00	0.0744	
Total BTEX	<0.300	0.300	09/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	137 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/09/2024	ND	400	100	400	3.92	
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	09/09/2024	ND	205	103	200	2.34	
DRO >C10-C28*	<10.0	10.0	09/09/2024	ND	207	103	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	09/09/2024	ND					
Surrogate: 1-Chlorooctane	103 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.7	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keine



### Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/06/2024 Sampling Date: 09/06/2024

Reported: 09/11/2024 Sampling Type: Soil

Project Name: NORTH HOBBS GSA UT 954-18 Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417168 Tamara Oldaker

Project Location: OXY- LEA CO NM

### Sample ID: SW 04 0-1' (H245408-17)

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	09/09/2024	ND	1.74	86.8	2.00	2.33	QR-03
Toluene*	<0.050	0.050	09/09/2024	ND	1.68	84.1	2.00	3.19	QM-07, QR-03
Ethylbenzene*	<0.050	0.050	09/09/2024	ND	1.69	84.4	2.00	3.41	QM-07, QR-03
Total Xylenes*	<0.150	0.150	09/09/2024	ND	5.04	84.0	6.00	3.49	QM-07, QR-03
Total BTEX	<0.300	0.300	09/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 :	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/09/2024	ND	400	100	400	3.92	
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	09/09/2024	ND	205	103	200	2.34	
DRO >C10-C28*	<10.0	10.0	09/09/2024	ND	207	103	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	09/09/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keine



### Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/06/2024 Reported: 09/11/2024

Project Name: NORTH HOBBS GSA UT 954-18

Project Number: 03B1417168
Project Location: OXY- LEA CO NM

Sampling Date: 09/06/2024 Sampling Type: Soil

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

### Sample ID: SW 05 0-1.5' (H245408-18)

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	09/09/2024	ND	1.74	86.8	2.00	2.33	
Toluene*	<0.050	0.050	09/09/2024	ND	1.68	84.1	2.00	3.19	
Ethylbenzene*	<0.050	0.050	09/09/2024	ND	1.69	84.4	2.00	3.41	
Total Xylenes*	<0.150	0.150	09/09/2024	ND	5.04	84.0	6.00	3.49	
Total BTEX	<0.300	0.300	09/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/09/2024	ND	400	100	400	3.92	
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	09/09/2024	ND	205	103	200	2.34	
DRO >C10-C28*	<10.0	10.0	09/09/2024	ND	207	103	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	09/09/2024	ND					
Surrogate: 1-Chlorooctane	83.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.8	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keine



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

### **Notes and Definitions**

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

Cardinal Laboratories \*=Accredited Analyte

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

Celeg D. Freene

Company Name:

Project Manager:

Released to Imaging: 2/5/2025 11:29:45 AM



Ensolum, LLC

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

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

Beaux Jennings / Kally ) Markey

4		PCI CON		_											_	1	- 1	1 1						
Address: 601 N. Marienfeld St. STE 400							Company: Oxy USA, Inc.													I				
City: Midland State: TX Zip: 79701					A	ttn:	W	ade	Dittri	ich											١			
Phone #: 210-2	219-8858	Fax #:						A	ddre	ess:					1	·		P						١
Project #: 03	B1417168	Project Owner:						С	ity:						12	a	١,	5						ı
	Vorth Hobbs	GSA VI	1 9	15	4-	18		S	tate:			Zip:				-		2						ı
Project Location	1							Р	hon	e #:	5	75-3	90-28	28	5	1								ı
	Tabitha Gu							F	ax#	:					0	o	7	83						ı
FOR LAB USE ONLY			. [	T		MAT	RIX		PR	ESI	ERV.		SAM	PLING	0	~	٦.							ı
<b>Lab I.D.</b> H245408	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP. # CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	OTHER.	ACID/BASE:	ICE / COOL	OTHER:	D	ATE	TIME	Hall	RTKY	V177	Ch Garie						
HC42400	FS14	1.5	01	T	>	X		, ,	1	K		-	d24	0930			$\top$	X						1
2	FS16		11	1		1		$\dagger$	T	1		μ.	1	0932	X	K		V						
3	FS20	i	111											0934	X	(		Y						
ч	FS 21	(												0936	X	K		V						
5	F522	(												0938	K	K		X						1
6	F523	(												0940	X	X		X						1
7	F524	1.5												0942	X	X	1					$\square$		1
8	F525	1.5								Ш				0944	X	X		$\times$				$\vdash$		1
9	F526			1		Ш			1	1			,	0946	X	X	-	X				$\vdash$		1
10	FS27	1	1						_	1			1	0948	X	X	1)							J
analyses. All claims includi	nd Damages. Cardinal's liability and clie ng those for negligence and any other	cause whatsoever shall be de	emed wa	ived u	nless m	ade in	writing a	and rec	ceived t	by Car	rdinal w	vithin 30	days afte	r completion of t	the applica	ble								
service. In no event shall C	ardinal be liable for incidental or conse ng out of or related to the performance	quental damages, including w of services hereunder by Car	vitnout iim rdinal, reg	ardles	s of whe	ether si	uch clai	m is ba	ased up	on an	ny of the	e above	stated re	asons or otherwi	ise.					_				_
Relinguished B		Date:	Rece	ive	By:					11	1	,	/	Verbal Re	esult:	□ Y			Phone #					4
7/6/29						11.	N	//		1/2	1	1					Please provide Em		_				1	
Time: 305 Mellari						146	16	11	a	de	6	BC.	BJennir	ngs@er	nsolun	n.co	m + Klow	eng	wen	80hus	n-coi	n	ł	
Relinguished By: Date: Received By:						BJennings@ensolum.com + klowery & ensohem REMARKS:								1										
		Time:										/												١
								1141 -	on CHECKED BY: Turnaround Time: Standard Bacteria (only) Sample						amnle C	ondition		-						
Delivered By: (C		served Temp. °C	.0		Coo	1	ntact			CH	(Init	ials)	1:		4	#140	OF	Standard	Cool In	tact	Observe			
Sampler - UPS - Bus - Other: Corrected Temp. *C O.4 Yes LY						es		0	Y	0	•	Thermometer ID #113 Correction Factor -0.5°C 70. 9/6/24 No No Corrected Tem					d Temp	.°C						

BILL TO

P.O. #:

Released to Imaging: 2/5/2025 11:29:45 AM

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:



### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Cool Intact

Yes Yes

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

	(575) 393-2326 FAX	(5/5) 393-24	10			_	-	_			D	"	L TO			-			ANA	LYSIS	RE	QUES	ST			
Company Name:								-	P.O.	#.	DI	72	LIU													٦
Project Manager			00	16	m			_																- 1		
Address. Other management					_	Company: Oxy USA, Inc.  Attn: Wade Dittrich														- 1						
City: Midland		State: TX	Zip:	7	7970	1		-1	Attn	: \	Nade	e D	Dittrich				0		-							- 1
Phone #: 210-2	19-8858	Fax #:						-1	Add	res	s:						p									- 1
Project # 12	21417162	Project Owner:						_	City	:					7	9	2									- 1
Project Name:	Jorth Hobb	5 GSA C	T	-	75	4-	-18	3	Stat	te:			Zip:		-	_	3									- 1
Project Location	: Lea Count	ty							Pho	ne	#:	57	5-390-28	28	57	5	5									
Sampler Name:	- 11 0	adian						_	Fax				CAMI	PLING	801	8	9									١
FOR LAB USE ONLY			٠.			M	ATRI)	(	-1	PRE	SER	4	SAIVII	LING	1 ~		0									١
			OR (C)OMP	co	2	~			١			١			1	X	170									
		Sample Depth	(C)	ZER	VAT	TE				iii	٦	١			H	N	-									
Lab I.D.	Sample I.D.	(feet)		ITAII	ND	EW/		GE	2	BAS	000				1	100										
1 - 1 - 1 - 0			(G)RAB	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL		DATE	TIME	1	M	-									Ц
H245408	1.00	1	0)	#	O	5 (	0	O		٩	X	1		0950	X	K	X									$\square$
//	F578	1	1	1							1	1		0952	×	X	Y									$\vdash$
12	FS79	)	Н	H								1		0954	X						_	_				$\vdash$
13	DSOY	0-1.5		H								1		0956	X	X	X				_	_	_			$\vdash$
14	SW01	0-0.5	H	Ħ										0958	3 X	X	X				-	-	-			$\vdash$
15	SW02 SW03	0-1	П	H										1000	X	K	X			_	-	-	-	$\vdash$		-
19	SWOY	0-1	П	Ħ										2002	X	X	X	_	1	_	-	-	-			
14	SWOS	0-1.5	17	П									V	1009	X	K	1X	-	-	_	-	-	-			
10	30003		Ι,								•				_		-	-	-	-	-	-	_			
PLEASE NOTE: Liability a	nd Damages. Cardinal's liability and clier ing those for negligence and any other c	nt's exclusive remedy for a ause whatsoever shall be	ny clair deeme	m aris	sing who	ether ba	sed in c de in wri	ontract ting and	or tort	, shall wed by	Cardin	ed to	o the amount partition 30 days af	er completion of	the application	ible										
service. In no event shall (	ing those for negligence and any other c Cardinal be liable for incidental or consec ing out of or related to the performance	quental damages, including of services hereunder by C	Cardina	al, rega	ardless	of whe	s interru her suc	ptions, l h claim	loss of is base	use, o	n any o	f the	e above stated i	easons or otherv	vise.	□ Y	20	] No	Add	'l Phon	e #:					
Relinquished B		Date: 9/6/29	Re	ece	ived	By:				/	n	/	1/2	All Resul	ts are e	maile	d. Plea	se pro	vide E	mail ad	dress:					
61,	1	Time:			1/4	16	194	A	1/	1	de	2	RE	BJenni	ings@e	nsolum	.com	+	Klo	wer	y (u	en en	solu	m.c	-0107	
Relinquished B	l lv:	Date:	R	ece	ived	By:	CVI			24			)	REMARI	KS:											
Kellijquisileu L	.,.	Time:	-											1												
		Time.	Ι,	_	_	0	-l- C	ondit	tion		CHE	CK	(FD BY:	Turnarou	und Tim	ie:	Sta	ndard	-	Bac	eria (o	nly) Sa	mple C	onditio	n	

CHECKED BY:

(Initials)

Thermometer ID #113

Correction Factor -0.5°C

Sample Condition

Yes Yes

Cool Intact

Observed Temp. °C

Corrected Temp. °C 0,4



September 25, 2024

**KELLY LOWERY** 

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: RAMIREZ & SONS CALICHE PIT

Enclosed are the results of analyses for samples received by the laboratory on 09/20/24 13:03.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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. Keene

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 KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/20/2024 Reported: 09/25/2024

Project Name: RAMIREZ & SONS CALICHE PIT

Project Number: 03B1417168

Project Location: OXY - LEA COUNTY, NM

Sampling Date: 09/19/2024

Sampling Type: Soil

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

### Sample ID: RAMIREZ & SONS CALICHE PIT (H245739-01)

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	09/23/2024	ND	1.94	96.9	2.00	9.04	
Toluene*	<0.050	0.050	09/23/2024	ND	1.92	95.9	2.00	8.44	
Ethylbenzene*	<0.050	0.050	09/23/2024	ND	1.99	99.4	2.00	7.64	
Total Xylenes*	<0.150	0.150	09/23/2024	ND	5.95	99.2	6.00	7.49	
Total BTEX	<0.300	0.300	09/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	96.0	16.0	09/23/2024	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	09/20/2024	ND	220	110	200	2.49	
DRO >C10-C28*	<10.0	10.0	09/20/2024	ND	218	109	200	2.01	
EXT DRO >C28-C36	<10.0	10.0	09/20/2024	ND					
Surrogate: 1-Chlorooctane	87.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.3	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keine



### **Notes and Definitions**

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keene

Received by OCD: 9/27/2024 2:50:24 PM

Released to Imaging: 2/5/2025 11:29:45 AM



### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476	BILL TO	ANALYSIS REQUEST
ompany Name: Ensolum, LLC	P.O. #:	
roject Manager: Kelly Lowery	Company: Ensolum, LDS Oxy USA, Inc.	
ddress: 601 N. Marienfeld St. STE 400		
ity: Midland State: TX Zip: 79701	Attn: Wade Dittrich	
rhone #: 214-733-3165 Email: klowery@ensolum.com	Address:	
Project #: 03B1417168 Project Owner: -	City:	
Project Name: Remover + Sons Cilizhe Pit	0	
Project Location: Lea County NY	Phone #: 575 390 2828	19
Sampler Name: Vella Lottor	Email:  PRESERV. SAMPLING	
OR LAB LISE ONLY MATRIX	PRESERV.   SAMPLING	
Cignago R (C)OMP (Gest) Samble Debty (Gont Debty Recontainers Solution (C) (Gont Debty Recontainers Solution (C) (Gont Debty Recontainers Solution (Gont Debty Recontainers Solu	OTHER:  ACIDIBASE: OTHER:  ACIDIBASE: OTHER:  ACIDIBASE: OTHER: O	
H245139 (3) ** (3) ** (3) ** (3) ** (3) ** (3) ** (3) ** (3) ** (4) ** (4) ** (5) ** (5) ** (6) ** (7) ** (	5 8 5 6 1 1 1 1 5 X X	X
1 Remircz + Sono Col whe 7 it NA C 1 X	X 9/19/24 1115 X X	
	1/19/20	
	75/79 W	
	+++++	
	n any of the above stated reasons or otherwise.  Verbal Result:	lease provide Email address: hdunaway@apred.com kw
Relinquisted By:  Date: - ZO - ZC Received By:  Time: / 3	ON CHECKED BY: Turnaround Time: Standard E	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:  Corrected Temp. °C 4,4  Cool Intact  Res 7 ves	Thermometer ID #113 #	

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 388006

### **QUESTIONS**

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	388006
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

Prerequisites						
Incident ID (n#)	nAPP2410136920					
Incident Name	NAPP2410136920 NORTH HOBBS GSA UT 954-18 @ 30-025-07369					
Incident Type	Produced Water Release					
Incident Status	Remediation Closure Report Received					
Incident Well	[30-025-07369] NORTH HOBBS G/SA UNIT #311					

Location of Release Source							
Please answer all the questions in this group.							
Site Name	NORTH HOBBS GSA UT 954-18						
Date Release Discovered	04/03/2024						
Surface Owner	Private						

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

Nature and Volume of Release							
Material(s) released, please answer all that apply below. Any calculations or specific justifications fo	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   Flow Line - Injection   Produced Water   Released: 10 BBL   Recovered: 3 BBL   Lost: 7 BBL.						
Is the concentration of chloride in the produced water >10,000 mg/l	No						
Condensate Released (bbls) Details	Not answered.						
Natural Gas Vented (Mcf) Details	Not answered.						
Natural Gas Flared (Mcf) Details	Not answered.						
Other Released Details	Not answered.						
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.						

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

### Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr.

**State of New Mexico** 

**Santa Fe, NM 87505** 

QUESTIONS, Page 2

Action 388006

QUEST	IONS (continued)
Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696 Action Number: 388006 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.	e. gas only) are to be submitted on the C-129 form.
Initial Response  The responsible party must undertake the following actions immediately unless they could create a	safety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	liation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative sted 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 required 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 rt does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 09/27/2024

Phone: (505) 629-6116

Online Phone Directory
<a href="https://www.emnrd.nm.gov/ocd/contact-us">https://www.emnrd.nm.gov/ocd/contact-us</a>

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

QUESTIONS, Page 3

Action 388006

**QUESTIONS** (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	388006
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan 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 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between ½ and 1 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination as	ssociated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride (EPA 300.0 or SM4500 Cl B)	624	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	347	
GRO+DRO (EPA SW-846 Method 8015M)	170	
BTEX (EPA SW-846 Method 8021B or 8260B)	0	
Benzene (EPA SW-846 Method 8021B or 8260B)	0	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence	04/03/2024	
On what date will (or did) the final sampling or liner inspection occur	09/06/2024	
On what date will (or was) the remediation complete(d)	09/06/2024	
What is the estimated surface area (in square feet) that will be reclaimed	5962	
What is the estimated volume (in cubic yards) that will be reclaimed	188	
What is the estimated surface area (in square feet) that will be remediated	5962	
What is the estimated volume (in cubic yards) that will be remediated	188	
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.		

Sante Fe Main Office Phone: (505) 476-3441

General Information Phone: (505) 629-6116

Online Phone Directory <a href="https://www.emnrd.nm.gov/ocd/contact-us">https://www.emnrd.nm.gov/ocd/contact-us</a>

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

QUESTIONS, Page 4

Action 388006

**QUESTIONS** (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	388006
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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

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

Name: Wade Dittrich
Title: Environmental Coordinator
Email: wade\_dittrich@oxy.com
Date: 09/27/2024

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.

Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS, Page 5

Action 388006

**QUESTIONS** (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	388006
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

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

Sante Fe Main Office Phone: (505) 476-3441 General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS, Page 6

Action 388006

**QUESTIONS** (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	388006
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded 380170	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/06/2024
What was the (estimated) number of samples that were to be gathered	13
What was the sampling surface area in square feet	2600

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	5962
What was the total volume (cubic yards) remediated	188
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	5962
What was the total volume (in cubic yards) reclaimed	188
Summarize any additional remediation activities not included by answers (above)	NA

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Name: Wade Dittrich
Title: Environmental Coordinator
Email: wade\_dittrich@oxy.com
Date: 09/27/2024

Phone: (505) 629-6116

**Energy, Minerals and Natural Resources** 

QUESTIONS, Page 7

Action 388006

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us **Oil Conservation Division** 1220 S. St Francis Dr. **Santa Fe, NM 87505** 

**State of New Mexico** 

**QUESTIONS** (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	388006
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission No	

Sante Fe Main Office Phone: (505) 476-3441

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 388006

### **CONDITIONS**

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	388006
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### CONDITIONS

Creat By		Condition Date
nvel	z None	2/5/2025