

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural  
Resources Department

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

Incident ID	nAPP2231459478
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party	OXY USA INC.	OGRID	16696
Contact Name	WADE DITTRICH	Contact Telephone	(575) 390-2828
Contact email	WADE_DITTRICH@OXY.COM	Incident # (assigned by OCD)	
Contact mailing address	PO BOX 4294; HOUSTON, TX 77210		

### Location of Release Source

Latitude N 32.2120103 Longitude W 103.683758  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	MESA VERDE BONE SPRINGS 0045H	Site Type	
Date Release Discovered	11/3/2022	API# (if applicable)	

Unit Letter	Section	Township	Range	County
N	16	24S	32E	LEA ,CO

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 60 BBLS	Volume Recovered (bbls) 40 BBLS
<input type="checkbox"/> Produced Water	Volume Released (bbls) 0 BBLS	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

SHAKER SCREEN GOT CLOGGED UP


State of New Mexico  
Oil Conservation Division

Incident ID	nAPP2231459478
District RP	
Facility ID	
Application ID	

<p>Was this a major release as defined by 19.15.29.7(A) NMAC?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>If YES, for what reason(s) does the responsible party consider this a major release?</p>
<p>If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?</p>	

## Initial Response

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury*

<p><input type="checkbox"/> The source of the release has been stopped.</p> <p><input type="checkbox"/> The impacted area has been secured to protect human health and the environment.</p> <p><input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.</p> <p><input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.</p>	
<p>If all the actions described above have <u>not</u> been undertaken, explain why:</p>    	
<p>Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.</p>	
<p>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.</p>	
<p>Printed Name: <u>Wade Dittrich</u></p> <p>Signature: <u></u></p> <p>email: <u>wade_dittrich@oxy.com</u></p>	<p>Title: <u>Environmental Coordinator</u></p> <p>Date: <u>11-16-22</u></p> <p>Telephone: <u>(575) 390-2828</u></p>
<p><b><u>OCD Only</u></b></p>	
<p>Received by: <u>Jocelyn Harimon</u> Date: <u>11/16/2022</u></p>	

Location of spill: Mesa Verde Bone Spring 0045H

Date of Spill: 11/3/2022

Site Soil Type: Silt (caliche)

Average Daily Production: BBL Oil BBL Water

Total Area Calculations						
Total Surface Area	width		length		wet soil depth	oil (%)
Rectangle Area #1	60 ft	X	200 ft	X	1 in	100%
Rectangle Area #2	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #3	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #4	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #5	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #6	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #7	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #8	0 ft	X	0 ft	X	0 in	0%

Porosity 0.16 gal per gal

**Saturated Soil Volume Calculations:**

		H2O		OIL
Area #1	12000 sq. ft.	cu. ft.		cu. ft.
Area #2	0 sq. ft.	cu. ft.		cu. ft.
Area #3	0 sq. ft.	cu. ft.		cu. ft.
Area #4	0 sq. ft.	cu. ft.		cu. ft.
Area #5	0 sq. ft.	cu. ft.		cu. ft.
Area #6	0 sq. ft.	cu. ft.		cu. ft.
Area #7	0 sq. ft.	cu. ft.		cu. ft.
Area #8	0 sq. ft.	cu. ft.		cu. ft.
Total Solid/Liquid Volume:	12,000 sq. ft.	cu. ft.	700	cu. ft.

**Estimated Volumes Spilled**

	H2O		OIL
Liquid in Soil:	0.0 BBL	19.9	BBL
Liquid Recovered :	0.0 BBL	40.0	BBL
Spill Liquid	0.0 BBL	59.9	BBL
Total Spill Liquid:		59.9	

**Recovered Volumes**

Estimated oil recovered: 40.0 BBL  
 Estimated water recovered: 0.0 BBL

Soil Type	Porosity
Clay	0.15
Peat	0.40
Glacial Sediments	0.13
Sandy Clay	0.12
Silt	0.16
Loess	0.25
Fine Sand	0.16
Medium Sand	0.25
Coarse Sand	0.26
Gravely Sand	0.26
Fine Gravel	0.26
Medium Gravel	0.25
Coarse Gravel	0.18
Sandstone	0.25
Siltstone	0.18
Shale	0.05
Limestone	0.13
Basalt	0.19
Volcanic Tuff	0.20
Standing Liquids	



**December 30, 2024**

**Oxy USA Inc.**  
PO Box 4294  
Houston, TX 77210  
**Attn: Mr. Wade Dittrich**

**Re:** Remediation Work Plan  
**Mesa Verde Bone Springs 0045H**  
**32.2120103° N, 103.683758° W**  
**Lea County, New Mexico**  
**Incident ID: nAPP2231459478**  
Ensolum Project No. 03B1417174

Dear Mr. Dittrich:

Ensolum, LLC. (Ensolum) has prepared this Remediation Work Plan to perform environmental consulting services in the vicinity of the Mesa Verde Bone Springs 0045H, referred to hereinafter as the "Site." The Site is located off HWY 128 and Orla Road, approximately 31 miles west of Jal in Lea County, New Mexico.

## **I. SITE DESCRIPTION & BACKGROUND**

<b>Operator:</b>	Oxy USA Inc. (Oxy)
<b>Site Name:</b>	Mesa Verde Bone Springs 0045H
<b>Location:</b>	32.2120103° N, 103.683758° W Lea County, New Mexico
<b>Property:</b>	Bureau of Land Management (BLM)
<b>Regulatory:</b>	New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

The Site is located in Unit N, Section 16, Township 24 South, Range 32 East, in Lea County, New Mexico (32.2120103°, -103.683758°) and is associated with oil and gas exploration and production operations on State Land managed by the Bureau of Land Management (BLM).

On November 3, 2022, a shaker screen clogged up during drilling activities, resulting in the release of approximately 60 barrels (bbls) of crude oil onto the well pad. A vacuum truck was dispatched to the Site to recover free-standing fluids; approximately 40 bbls of crude oil were recovered. Oxy reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form C-141 (Form C-141) on November 16, 2022. The release was assigned Incident Number nAPP2231459478.

Since the release remained on the active well pad, an assessment of cultural properties had already been completed prior to the construction of the well pad and as such, the Cultural Properties Protection Rule (CPP) has been followed. No additional cultural resource surveys were completed in connection with this release. The release area is not expected to be reclaimed until the oil and gas well is plugged and abandoned and the well pad is reclaimed. The Reclamation Plan for this release will default to the



Mr. Wade Dittrich  
Remediation Work Plan  
Mesa Verde Bone Springs 0045H

December 30, 2024  
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BLM-approved Reclamation Plan for the well pad per 19.2.100.67 of the New Mexico Administrative Code (NMAC).

On May 2, 2024, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. A total of 10 delineation soil samples (SS01 through SS10) were collected from a depth of 0.5 feet below ground surface (bgs), within and surrounding the release area.

Based on laboratory analytical results, excavation at the Site was required. Between August 12, 2024 and August 14, 2024, Ensolum oversaw excavation activities at the site as well as collected a total of 28 composite soil samples (SS11 through SS39) from the release extent at a depth of 0.5 feet bgs. A total of 11 composite floor samples (FS01 through FS11) were collected from the floor of two excavations at a depth of 2' and 4 composite sidewall samples (SW01 through SW04) were collected from the sidewalls of the excavations at depths ranging from 0 to 2 feet bgs.

Based on laboratory analytical results, additional excavation at the Site is required.

Based on the location of a soil boring within 0.5 miles of the Site, the New Mexico Administrative Code (NMAC) 19.15.29 *Releases* Table I: Closure Criteria for Soils Impacted by a Release (> 100 feet) values were utilized. The composite floor soil sample results are included as **Table 1** in **Attachment D**.

The Site Map indicating the overall area of the release, the composite floor soil sample locations are included as **Figure 3** in **Attachment A**. The Closure Criteria Map is included as **Figure 4** in **Attachment A**.

## II. 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 NMAC 19.15.29 *Releases*, which establishes investigation and abatement action requirements for sites subject to reporting and/or corrective action. 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. Closure criteria supporting documentation is included in **Attachment B**.

- The Site is not located within 300 feet of a New Mexico ENMRD OCD-defined continuously flowing watercourse or any other 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 an occupied 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 (5) 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 as declared in the previous bullet.

- 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 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 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.
- The Site is not located within an area of flood hazard.

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

Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Method	Limit
>100 feet	Chloride	EPA 300.0 or SM4500 Cl B	20,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	TPH (GRO+DRO)	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

### III. SCOPE OF SERVICES

#### A. Health and Safety Plan

Ensolum will develop a site-specific Health and Safety Plan (HSP) for the performance of the scope of services described in this Remediation Work Plan. For the purposes of this HSP, it is assumed that the constituents of concern (COCs) include petroleum hydrocarbons. For the purposes of this HSP, it is assumed that the scope of services can be conducted under modified Level D personal protective equipment (PPE), which will include fire-retardant (FR) clothing, hard hat, steel-toed boots, protective eyewear and gloves. Should the need arise to upgrade PPE (e.g. respiratory protection), the client will be notified, and the HSP will be modified accordingly. Although it is not anticipated at this time, it should be noted that a PPE upgrade will constitute a change in scope of work, requiring a change order.

## B. Excavation Activities

The Site will continue to be excavated by a third-party contractor to remove impacted soils in the release area based on laboratory analytical data, olfactory and/or visual evidence of impairment. Based on current analytical data taken at the Site, composite floor soil samples SS21, SS31, SS34 and SS38 will be excavated down to 2 feet bgs.

At this time, an estimated 164 cubic yards (cy) have been excavated. An estimated additional 60 cy will be excavated from the release area. The impacted soil was transported and properly disposed of at the Lealand Landfill in Carlsbad, New Mexico. The Backfill Site Map is presented as Figure 5, laboratory analytical results for the backfill material are summarized on **Table 2** and complete laboratory analytical reports are included in **Attachment C**.

The remediation will be completed within 90 days of approval from the NMOCD.

## C. Confirmation Composite Soil Sampling Program

Once excavation activities are complete, Ensolum will collect additional confirmation composite soil samples every 200 square-feet from the bottomhole of the release area based on the following criteria:

- Prior composite floor soil sample exceedance;
- Highest photoionization detector (PID) reading;
- Highest electrical conductivity reading; or
- Change in lithology.

## D. Laboratory Analytical Program

The soil samples collected from the proposed confirmation floor soil samples will be analyzed for total petroleum hydrocarbons (TPH), gasoline range organics (GRO), diesel range organics (DRO) and motor oil range organics (MRO) utilizing Environmental Protection Agency (EPA) SW-846 Method 8015M and chloride utilizing EPA SW-846 Method SM4500 Cl-B under the NMOCD Closure Criteria for Soils Impacted by a Release (>100 feet).

## IV. REPORTING

Subsequent to the completion of Site activities, a Closure Report will be prepared by Ensolum to document completed site investigation and remediation activities as well as any corrective action at the Site, if needed.

## V. DELIVERABLES

The results, findings, conclusions, and recommendations, which will be provided in the Closure Report, will be based solely on the conditions which are observed during the site investigation and the information reviewed by Ensolum. No warranties or representations, expressed or implied, will be made as to the condition of the site beyond that observed by Ensolum during its site investigation.

We appreciate the opportunity to provide this Remediation Work Plan and look forward to working with you on this project. If you should have any questions or comments regarding this Remediation Work Plan, please contact either of the undersigned.

Mr. Wade Dittrich  
Remediation Work Plan  
Mesa Verde Bone Springs 0045H

December 30, 2024  
Page 5

Sincerely,  
**Ensolum, LLC**



**Georgiana McSwane**  
Project Manager  
[gmcswane@ensolum.com](mailto:gmcswane@ensolum.com)



**Beaux Jennings**  
Senior Project Manager  
[bjennings@ensolum.com](mailto:bjennings@ensolum.com)

**Attachments:**

- Attachment A – Figures**
- Attachment B – Supporting Documentation**
- Attachment C – Photographic Documentation**
- Attachment D – Table 1 – Soil Sample Analytical Results**
- Attachment E – Laboratory Report & Chain-of-Custody Documentation**
- Attachment F – C-141**



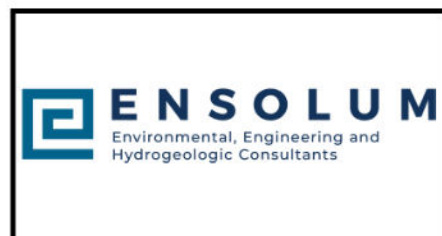
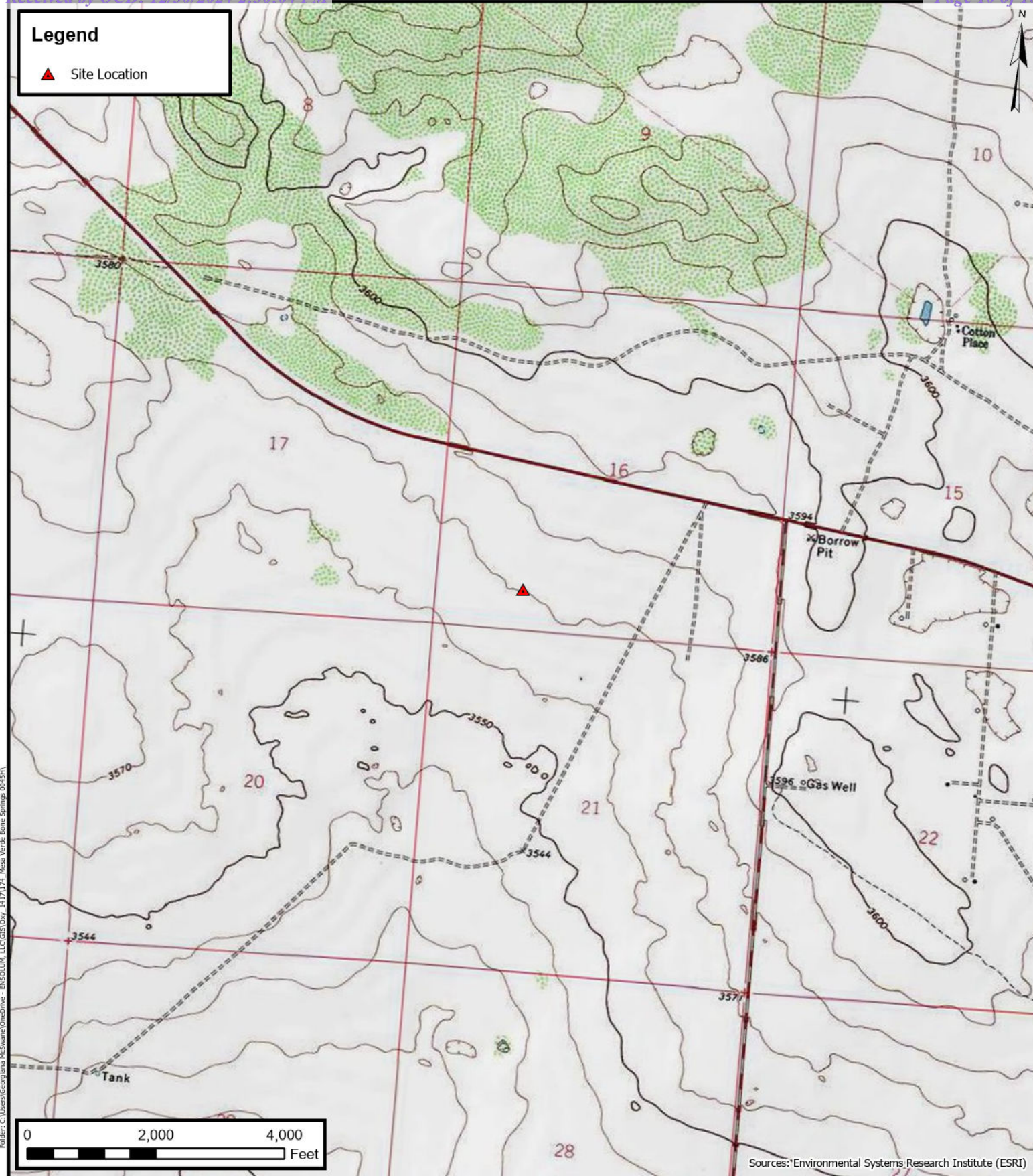
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ATTACHMENT A

Figures

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**Topographic Map**  
Oxy USA Inc.  
Mesa Verde Bone Springs 0045H  
32.2120103° N, 103.683758° W  
Lea County, New Mexico

PROJECT NUMBER: 03B1417174

**FIGURE**  
**1**





## Site Vicinity Map

Oxy USA Inc.  
Mesa Verde Bone Springs 0045H  
32.2120103° N, 103.683758° W  
Lea County, New Mexico

PROJECT NUMBER: 03B1417174

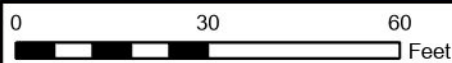
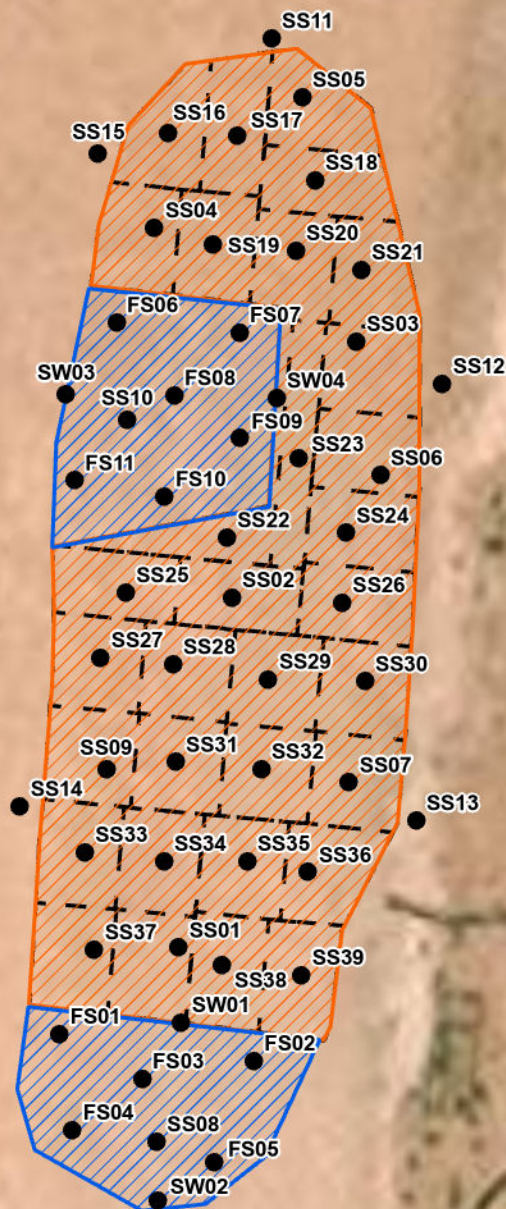
**FIGURE**

**2**



# Legend

- Confirmation Soil Sample Location
- ▨ Excavation Extent
- ▨ Release Extent
- ⊠ Composite Soil Sample Grid Boundary



Sources: Environmental Systems Research Institute (ESRI)



## Site Map

Oxy USA Inc.  
Mesa Verde Bone Springs 0045H  
32.2120103° N, 103.683758° W  
Lea County, New Mexico

PROJECT NUMBER: 03B1417174

FIGURE

3





## Closure Criteria Map

Oxy USA Inc.  
Mesa Verde Bone Springs 0045H  
32.2120103° N, 103.683758° W  
Lea County, New Mexico

PROJECT NUMBER: 03B1417174

**FIGURE**

**4**



## Legend

- Composite Sample Location

Lea Land Caliche Pit

0 1,000 2,000  
Feet

Sources: Environmental Systems Research Institute (ESRI)



## Backfill Site Map

Lea Land Caliche Pit  
32.5232397° N, 103.7845410° W  
Lea County, New Mexico

FIGURE  
5



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ATTACHMENT B

Supporting Documentation

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## GROUNDWATER LOG SB-1

## ENSOLUM

<b>PROJECT NUMBER</b> 03B1417169	<b>DRILLING DATE</b> 11/19/2024	<b>COORDINATES</b> 32.288270, -103.785346
<b>PROJECT NAME</b> Pure Gold A Federal 005	<b>TOTAL DEPTH</b> 110'	<b>COORD SYS</b>
<b>CLIENT</b> Oxy USA, Inc.	<b>DIAMETER</b> 2"	<b>COMPLETION</b>
<b>ADDRESS</b>	<b>CASING</b> PVC	<b>SURFACE ELEVATION</b> 3358'
<b>LICENCE NO.</b>	<b>SCREEN</b>	<b>WELL TOC</b>

<b>COMMENTS</b> Drilled by Caleb Gregory, West Texas Water Well	<b>LOGGED BY</b> Shimada Kaoru
	<b>CHECKED BY</b>













PID	Samples	Analysed	% Recovery	Depth (ft)	Graphic Log	Moisture	Material Description	Well Diagram	Elevation (ft)
				2			Brown sandy clay, dry, very fine-grained to fine-grained, trace gravel		3356
				4					3354
				6					3352
				8					3350
				10					3348
				12					3346
				14					3344
				16					3342
				18					3340
				20			Pale light brown caliche, small gravel		3338
				22					3336
				24					3334

**Disclaimer** This bore log is intended for environmental not geotechnical purposes.

Page 1 of 4

## GROUNDWATER LOG SB-1

ENSOLUM

PID	Samples	Analysed	% Recovery	Depth (ft)	Graphic Log	Moisture	Material Description	Well Diagram	Elevation (ft)
				26					3332
				28					3330
				30			Brown clay, dry, no gravel, very fine-grained to fine-grained, oxidites		3328
				32					3326
				34					3324
				36					3322
				38					3320
				40			Reddish-brown, clayey-sand, fine to coarse, dry, non-cemented, non-plastic, some gravel		3318
				42					3316
				44					3314
				46					3312
				48					3310
				50			Brownish-red, sandy clay, dry, non-plastic, non-cemented, no gravel, oxidized		3308
				52					3306
				54					3304

Disclaimer This bore log is intended for environmental not geotechnical purposes.

Page 2 of 4



## GROUNDWATER LOG SB-1

ENSOLUM

PID	Samples	Analysed	% Recovery	Depth (ft)	Graphic Log	Moisture	Material Description	Well Diagram	Elevation (ft)
				56					3302
				58					3300
				60			Reddish-brown sandy clay, non-cemented, non-plastic, very fine to fine-grained		3298
				62					3296
				64					3294
				66					3292
				68					3290
				70			Same as above, darker in color		3288
				72					3286
				74					3284
				76					3282
				78					3280
				80					3278
				82					3276
				84					3274

Disclaimer This bore log is intended for environmental not geotechnical purposes.

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## GROUNDWATER LOG SB-1

ENSOLUM

PID	Samples	Analysed	% Recovery	Depth (ft)	Graphic Log	Moisture	Material Description	Well Diagram	Elevation (ft)
				86					3272
				88					3270
				90			Reddish-brown, dry, sandy clay, non-cemented, non-plastic, very fine-grained to fine-grained, no gravel		3268
				92					3266
				94					3264
				96					3262
				98					3260
				100					3258
				102					3256
				104					3254
				106					3252
				108					3250
				110			Reddish brown silty clay, dry, non-cemented, non-plastic, very fine to coarse, no gravel		3248
				112					3246
				114					3244

Disclaimer This bore log is intended for environmental not geotechnical purposes.

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ATTACHMENT C

Photographic Documentation

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# Photographic Log

Oxy USA Inc.

Mesa Verde Bone Springs 0045H

03B1417174



Photograph: 1 Date: 5/2/2024  
Description: Release extent from Northeast  
View: Southwest

Photograph: 2 Date: 5/2/2024  
Description: Release extent from Southeast  
View: Northwest



Photograph: 3 Date: 8/12/2024  
Description: Excavation extent from Northwest  
View: Southeast

Photograph: 4 Date: 8/12/2024  
Description: Excavation extent from Northeast  
View: Southwest



# Photographic Log

Oxy USA Inc.  
Mesa Verde Bone Springs 0045H  
03B1417174

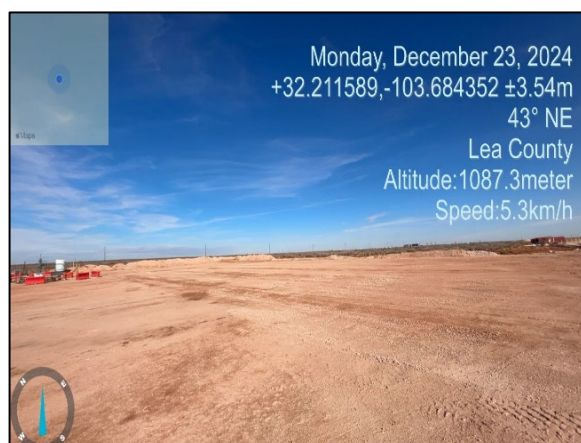


Photograph: 1 Date: 8/13/2024  
Description: Excavation extent from Southwest  
View: Northeast

Photograph: 2 Date: 8/13/2024  
Description: Excavation extent from East  
View: West



Photograph: 3 Date: 12/23/2024  
Description: Backfilled excavations from Southeast  
View: Northwest



Photograph: 4 Date: 12/23/2024  
Description: Backfilled excavations from Southwest  
View: Northeast





## ATTACHMENT D

### Table 1 – Soil Sample Analytical Results



**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Mesa Verde Bone Springs 0045H  
 Oxy USA, Inc.  
 Lea County, New Mexico  
 Ensolum Project No. 03B1417174

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 C <sub>6</sub> -C <sub>12</sub> (mg/kg)	TPH DRO >C <sub>12</sub> -C <sub>28</sub> (mg/kg)	TPH MRO >C <sub>28</sub> -C <sub>35</sub> (mg/kg)	TPH Total (GRO+DRO) C <sub>6</sub> -C <sub>28</sub> (mg/kg)	TPH Total (GRO+DRO+MRO) C <sub>6</sub> -C <sub>35</sub> (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release			10	NE	NE	NE	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Sample Analytical Results													
SS01	05/02/2024	0.5	<b>0.104</b>	<b>0.301</b>	<0.050	<0.150	<b>0.512</b>	<10.0	263	26.7	263	290	96.0
SS02	05/02/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	97.3	27.0	97.3	124	160
SS03	05/02/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	817	52.7	817	870	1,470
SS04	05/02/2024	0.5	<b>0.098</b>	<b>0.184</b>	<0.050	<0.150	<0.300	<10.0	692	39.1	692	731	80.0
SS05	05/02/2024	0.5	<b>0.127</b>	<b>0.259</b>	<0.050	<0.150	<b>0.386</b>	<10.0	318	<10.0	318	318	80.0
SS06	05/02/2024	0.5	<b>0.068</b>	<b>0.107</b>	<0.050	<0.150	<0.300	<10.0	157	<10.0	157	157	192
SS07	05/02/2024	0.5	<b>0.124</b>	<b>0.378</b>	<0.050	<0.150	<b>0.636</b>	<10.0	<10.0	<10.0	<10.0	<10.0	128
SS08	05/02/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>5,440</b>	<b>71.8</b>	<b>5,440</b>	<b>5,512</b>	336
SS09	05/02/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	153	15.9	153	169	528
SS10	05/02/2024	0.5	<b>0.109</b>	<b>0.320</b>	<0.050	<b>0.166</b>	<b>0.595</b>	<10.0	<b>7,180</b>	<b>53.6</b>	<b>7,180</b>	<b>7,204</b>	96.0
Confirmation Soil Sample Analytical Results													
SS11	08/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS12	08/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS13	08/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS14	08/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS15	08/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS16	08/14/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>94.6</b>	<10.0	<b>94.6</b>	<b>94.6</b>	32.0
SS17	08/14/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	288	<b>54.0</b>	288	342	16.0
SS18	08/14/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	235	19.7	235	255	80.0
SS19	08/14/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	957	134	957	1,091	80.0
SS20	08/14/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	173	27.2	173	200	80.0
SS21	08/14/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>1,030</b>	<b>70.8</b>	<b>1,030</b>	<b>1,101</b>	32
SS22	08/14/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	141	25.8	141	167	128
SS23	08/14/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	31.3	<10.0	31.3	31.3	96
SS24	08/14/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	446	73.6	446	520	80.0
SS25	08/14/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	144	12.3	144	156	128
SS26	08/14/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	56.9	15.5	56.9	72	256
SS27	08/14/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	121	<10.0	121	121	128
SS28	08/14/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	157	21.2	157	178	96.0
SS29	08/14/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	474	51.6	474	526	48.0
SS30	08/14/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	384	119	384	503	192
SS31	08/14/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>1,850</b>	<b>136</b>	<b>1,850</b>	<b>1,986</b>	3,040
SS32	08/14/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	180	24.7	180	205	64.0
SS33	08/14/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	439	89.5	439	529	3,000
SS34	08/14/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>3,360</b>	<b>295</b>	<b>3,360</b>	<b>3,655</b>	1,640
SS35	08/14/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	406	50.5	406	457	1,420
SS36	08/14/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	243	18.9	243	262	48.0
SS37	08/14/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	151	14.4	151	165	560
SS38	08/14/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>1,320</b>	111	<b>1,320</b>	<b>1,431</b>	192
SS39	08/14/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>73.6</b>	<10.0	<b>73.6</b>	<b>73.6</b>	160
Excavation Floor Soil Sample Analytical Results													
FS01	08/13/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS02	08/13/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS03	08/13/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS04	08/13/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS05	08/13/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS06	08/12/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS07	08/12/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS08	08/12/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS09	08/12/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS10	08/12/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS11	08/12/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
Excavation Sidewall Soil Sample Analytical Results													
SW01	08/13/2024	0-2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW02	08/13/2024	0-2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW03	08/13/2024	0-2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW04	08/13/2024	0-2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0

Concentrations in bold and yellow exceed the New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release

bgs: below ground surface

mg/kg: milligrams per kilogram

NE: Not Established

mg/kg: milligrams per kilogram

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics

TPH: Total Petroleum Hydrocarbons



**TABLE 2**  
**BACKFILL SOIL SAMPLE ANALYTICAL RESULTS**  
 Lea Land 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)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)			10	NE	NE	NE	50	NE	NE	NE	100	600
Composite Background Soil Sample Analytical Result												
Lea Land Caliche Pit	09/13/2024	NA	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	98.6	<10.0	98.6	560

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





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## ATTACHMENT E

### Laboratory Report & Chain-of-Custody Documentation

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

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May 08, 2024

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

RE: MESA VERDE BONE SPRINGS 0045H

Enclosed are the results of analyses for samples received by the laboratory on 05/02/24 13:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene  
Lab Director/Quality Manager



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: 05/02/2024  
 Reported: 05/08/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 05/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 01 0.5' (H242372-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.104</b>	0.050	05/04/2024	ND	2.22	111	2.00	14.8	
<b>Toluene*</b>	<b>0.301</b>	0.050	05/04/2024	ND	2.19	110	2.00	15.0	
Ethylbenzene*	<0.050	0.050	05/04/2024	ND	2.25	112	2.00	14.3	
Total Xylenes*	<0.150	0.150	05/04/2024	ND	6.71	112	6.00	13.8	
<b>Total BTEX</b>	<b>0.512</b>	0.300	05/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>96.0</b>	16.0	05/07/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/04/2024	ND	198	98.9	200	1.40	
<b>DRO &gt;C10-C28*</b>	<b>263</b>	10.0	05/04/2024	ND	207	104	200	1.54	
<b>EXT DRO &gt;C28-C36</b>	<b>26.7</b>	10.0	05/04/2024	ND					

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/02/2024  
 Reported: 05/08/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 05/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 02 0.5' (H242372-02)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/04/2024	ND	2.22	111	2.00	14.8	
Toluene*	<0.050	0.050	05/04/2024	ND	2.19	110	2.00	15.0	
Ethylbenzene*	<0.050	0.050	05/04/2024	ND	2.25	112	2.00	14.3	
Total Xylenes*	<0.150	0.150	05/04/2024	ND	6.71	112	6.00	13.8	
Total BTEX	<0.300	0.300	05/04/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/07/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/04/2024	ND	198	98.9	200	1.40	
DRO >C10-C28*	97.3	10.0	05/04/2024	ND	207	104	200	1.54	
EXT DRO >C28-C36	27.0	10.0	05/04/2024	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/02/2024  
 Reported: 05/08/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 05/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 03 0.5' (H242372-03)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/04/2024	ND	2.22	111	2.00	14.8		
Toluene*	<0.050	0.050	05/04/2024	ND	2.19	110	2.00	15.0		
Ethylbenzene*	<0.050	0.050	05/04/2024	ND	2.25	112	2.00	14.3		
Total Xylenes*	<0.150	0.150	05/04/2024	ND	6.71	112	6.00	13.8		
Total BTEx	<0.300	0.300	05/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1470	16.0	05/07/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2024	ND	223	111	200	6.20	
DRO >C10-C28*	817	10.0	05/03/2024	ND	206	103	200	8.97	
EXT DRO >C28-C36	52.7	10.0	05/03/2024	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/02/2024  
 Reported: 05/08/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 05/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 04 0.5' (H242372-04)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.098	0.050	05/04/2024	ND	2.22	111	2.00	14.8	
Toluene*	0.184	0.050	05/04/2024	ND	2.19	110	2.00	15.0	
Ethylbenzene*	<0.050	0.050	05/04/2024	ND	2.25	112	2.00	14.3	
Total Xylenes*	<0.150	0.150	05/04/2024	ND	6.71	112	6.00	13.8	
Total BTEX	<0.300	0.300	05/04/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/07/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2024	ND	223	111	200	6.20	
DRO >C10-C28*	692	10.0	05/03/2024	ND	206	103	200	8.97	
EXT DRO >C28-C36	39.1	10.0	05/03/2024	ND					

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/02/2024  
Reported: 05/08/2024  
Project Name: MESA VERDE BONE SPRINGS 0045H  
Project Number: 03B1417174  
Project Location: OXY- LEA CO NM

Sampling Date: 05/02/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: SS 05 0.5' (H242372-05)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.127	0.050	05/04/2024	ND	2.22	111	2.00	14.8	
Toluene*	0.259	0.050	05/04/2024	ND	2.19	110	2.00	15.0	
Ethylbenzene*	<0.050	0.050	05/04/2024	ND	2.25	112	2.00	14.3	
Total Xylenes*	<0.150	0.150	05/04/2024	ND	6.71	112	6.00	13.8	
Total BTEX	0.386	0.300	05/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/07/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2024	ND	223	111	200	6.20	
<b>DRO &gt;C10-C28*</b>	<b>318</b>	10.0	05/03/2024	ND	206	103	200	8.97	
EXT DRO >C28-C36	<10.0	10.0	05/03/2024	ND					

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 05/02/2024  
 Reported: 05/08/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 05/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 06 0.5' (H242372-06)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.068	0.050	05/04/2024	ND	2.22	111	2.00	14.8	
Toluene*	0.107	0.050	05/04/2024	ND	2.19	110	2.00	15.0	
Ethylbenzene*	<0.050	0.050	05/04/2024	ND	2.25	112	2.00	14.3	
Total Xylenes*	<0.150	0.150	05/04/2024	ND	6.71	112	6.00	13.8	
Total BTEX	<0.300	0.300	05/04/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	05/07/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2024	ND	223	111	200	6.20	
<b>DRO &gt;C10-C28*</b>	<b>157</b>	10.0	05/03/2024	ND	206	103	200	8.97	
EXT DRO >C28-C36	<10.0	10.0	05/03/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/02/2024  
 Reported: 05/08/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 05/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 07 0.5' (H242372-07)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.124	0.050	05/04/2024	ND	2.22	111	2.00	14.8	
Toluene*	0.378	0.050	05/04/2024	ND	2.19	110	2.00	15.0	
Ethylbenzene*	<0.050	0.050	05/04/2024	ND	2.25	112	2.00	14.3	
Total Xylenes*	<0.150	0.150	05/04/2024	ND	6.71	112	6.00	13.8	
Total BTEX	0.636	0.300	05/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	05/07/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2024	ND	223	111	200	6.20	
DRO >C10-C28*	<10.0	10.0	05/03/2024	ND	206	103	200	8.97	
EXT DRO >C28-C36	<10.0	10.0	05/03/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 05/02/2024  
 Reported: 05/08/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 05/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 08 0.5' (H242372-08)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/04/2024	ND	2.22	111	2.00	14.8		
Toluene*	<0.050	0.050	05/04/2024	ND	2.19	110	2.00	15.0		
Ethylbenzene*	<0.050	0.050	05/04/2024	ND	2.25	112	2.00	14.3		
Total Xylenes*	<0.150	0.150	05/04/2024	ND	6.71	112	6.00	13.8		
Total BTEX	<0.300	0.300	05/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	05/07/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2024	ND	223	111	200	6.20	
DRO >C10-C28*	5440	10.0	05/03/2024	ND	206	103	200	8.97	
EXT DRO >C28-C36	71.8	10.0	05/03/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 261 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 05/02/2024  
 Reported: 05/08/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 05/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 09 0.5' (H242372-09)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/04/2024	ND	2.22	111	2.00	14.8		
Toluene*	0.080	0.050	05/04/2024	ND	2.19	110	2.00	15.0		
Ethylbenzene*	<0.050	0.050	05/04/2024	ND	2.25	112	2.00	14.3		
Total Xylenes*	<0.150	0.150	05/04/2024	ND	6.71	112	6.00	13.8		
Total BTEX	<0.300	0.300	05/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	05/07/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2024	ND	223	111	200	6.20	
DRO >C10-C28*	153	10.0	05/03/2024	ND	206	103	200	8.97	
EXT DRO >C28-C36	15.9	10.0	05/03/2024	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.8 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 05/02/2024  
Reported: 05/08/2024  
Project Name: MESA VERDE BONE SPRINGS 0045H  
Project Number: 03B1417174  
Project Location: OXY- LEA CO NM

Sampling Date: 05/02/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: SS 10 0.5' (H242372-10)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.109	0.050	05/04/2024	ND	2.22	111	2.00	14.8	
Toluene*	0.320	0.050	05/04/2024	ND	2.19	110	2.00	15.0	
Ethylbenzene*	<0.050	0.050	05/04/2024	ND	2.25	112	2.00	14.3	
Total Xylenes*	0.166	0.150	05/04/2024	ND	6.71	112	6.00	13.8	
Total BTEX	0.595	0.300	05/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	05/07/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2024	ND	223	111	200	6.20	
DRO >C10-C28*	7180	10.0	05/03/2024	ND	206	103	200	8.97	
EXT DRO >C28-C36	53.6	10.0	05/03/2024	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 405 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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### Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



**Company Name:** Ensolum, LLC

Page 13 of 13



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

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August 16, 2024

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

RE: MESA VERDE BONE SPRINGS 0045H

Enclosed are the results of analyses for samples received by the laboratory on 08/12/24 17:15.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene  
Lab Director/Quality Manager



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:	08/12/2024	Sampling Date:	08/12/2024
Reported:	08/16/2024	Sampling Type:	Soil
Project Name:	MESA VERDE BONE SPRINGS 0045H	Sampling Condition:	Cool & Intact
Project Number:	03B1417174	Sample Received By:	Tamara Oldaker
Project Location:	OXY- LEA CO NM		

**Sample ID: SS 11 (H244861-01)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2024	ND	2.12	106	2.00	3.20		
Toluene*	<0.050	0.050	08/14/2024	ND	2.18	109	2.00	3.10		
Ethylbenzene*	<0.050	0.050	08/14/2024	ND	2.23	112	2.00	2.96		
Total Xylenes*	<0.150	0.150	08/14/2024	ND	6.87	114	6.00	2.36		
Total BTEX	<0.300	0.300	08/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/14/2024	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2024	ND	209	104	200	0.302	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	215	107	200	0.0870	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 08/12/2024  
 Reported: 08/16/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/12/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SS 12 (H244861-02)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/14/2024	ND	2.12	106	2.00	3.20	
Toluene*	<0.050	0.050	08/14/2024	ND	2.18	109	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/14/2024	ND	2.23	112	2.00	2.96	
Total Xylenes*	<0.150	0.150	08/14/2024	ND	6.87	114	6.00	2.36	
Total BTX	<0.300	0.300	08/14/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/14/2024	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2024	ND	209	104	200	0.302	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	215	107	200	0.0870	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 08/12/2024  
 Reported: 08/16/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/12/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SS 13 (H244861-03)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/14/2024	ND	2.12	106	2.00	3.20	
Toluene*	<0.050	0.050	08/14/2024	ND	2.18	109	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/14/2024	ND	2.23	112	2.00	2.96	
Total Xylenes*	<0.150	0.150	08/14/2024	ND	6.87	114	6.00	2.36	
Total BTEX	<0.300	0.300	08/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/14/2024	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2024	ND	209	104	200	0.302	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	215	107	200	0.0870	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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**Analytical Results For:**

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

Received: 08/12/2024  
 Reported: 08/16/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/12/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SS 14 (H244861-04)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2024	ND	2.12	106	2.00	3.20		
Toluene*	<0.050	0.050	08/14/2024	ND	2.18	109	2.00	3.10		
Ethylbenzene*	<0.050	0.050	08/14/2024	ND	2.23	112	2.00	2.96		
Total Xylenes*	<0.150	0.150	08/14/2024	ND	6.87	114	6.00	2.36		
Total BTEX	<0.300	0.300	08/14/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/14/2024	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2024	ND	209	104	200	0.302	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	215	107	200	0.0870	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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**Analytical Results For:**

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

Received: 08/12/2024  
 Reported: 08/16/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/12/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SS 15 (H244861-05)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2024	ND	2.12	106	2.00	3.20		
Toluene*	<0.050	0.050	08/14/2024	ND	2.18	109	2.00	3.10		
Ethylbenzene*	<0.050	0.050	08/14/2024	ND	2.23	112	2.00	2.96		
Total Xylenes*	<0.150	0.150	08/14/2024	ND	6.87	114	6.00	2.36		
Total BTX	<0.300	0.300	08/14/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/14/2024	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2024	ND	209	104	200	0.302	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	215	107	200	0.0870	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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**Analytical Results For:**

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

Received: 08/12/2024  
 Reported: 08/16/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/12/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FS 06 2' (H244861-06)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/14/2024	ND	2.12	106	2.00	3.20	
Toluene*	<0.050	0.050	08/14/2024	ND	2.18	109	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/14/2024	ND	2.23	112	2.00	2.96	
Total Xylenes*	<0.150	0.150	08/14/2024	ND	6.87	114	6.00	2.36	
Total BTEX	<0.300	0.300	08/14/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/14/2024	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2024	ND	209	104	200	0.302	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	215	107	200	0.0870	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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**Analytical Results For:**

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

Received: 08/12/2024  
 Reported: 08/16/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/12/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FS 07 2' (H244861-07)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2024	ND	2.12	106	2.00	3.20		
Toluene*	<0.050	0.050	08/14/2024	ND	2.18	109	2.00	3.10		
Ethylbenzene*	<0.050	0.050	08/14/2024	ND	2.23	112	2.00	2.96		
Total Xylenes*	<0.150	0.150	08/14/2024	ND	6.87	114	6.00	2.36		
Total BTEX	<0.300	0.300	08/14/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/14/2024	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2024	ND	209	104	200	0.302	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	215	107	200	0.0870	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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**Analytical Results For:**

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

Received: 08/12/2024  
Reported: 08/16/2024  
Project Name: MESA VERDE BONE SPRINGS 0045H  
Project Number: 03B1417174  
Project Location: OXY- LEA CO NM

Sampling Date: 08/12/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: FS 08 2' (H244861-08)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2024	ND	2.12	106	2.00	3.20		
Toluene*	<0.050	0.050	08/14/2024	ND	2.18	109	2.00	3.10		
Ethylbenzene*	<0.050	0.050	08/14/2024	ND	2.23	112	2.00	2.96		
Total Xylenes*	<0.150	0.150	08/14/2024	ND	6.87	114	6.00	2.36		
Total BTEx	<0.300	0.300	08/14/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/14/2024	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2024	ND	209	104	200	0.302	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	215	107	200	0.0870	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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**Analytical Results For:**

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

Received: 08/12/2024  
 Reported: 08/16/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/12/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FS 09 2' (H244861-09)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2024	ND	2.12	106	2.00	3.20		
Toluene*	<0.050	0.050	08/14/2024	ND	2.18	109	2.00	3.10		
Ethylbenzene*	<0.050	0.050	08/14/2024	ND	2.23	112	2.00	2.96		
Total Xylenes*	<0.150	0.150	08/14/2024	ND	6.87	114	6.00	2.36		
Total BTEX	<0.300	0.300	08/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/14/2024	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2024	ND	209	104	200	0.302	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	215	107	200	0.0870	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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**Analytical Results For:**

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

Received: 08/12/2024  
 Reported: 08/16/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/12/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FS 10 2' (H244861-10)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2024	ND	2.12	106	2.00	3.20		
Toluene*	<0.050	0.050	08/14/2024	ND	2.18	109	2.00	3.10		
Ethylbenzene*	<0.050	0.050	08/14/2024	ND	2.23	112	2.00	2.96		
Total Xylenes*	<0.150	0.150	08/14/2024	ND	6.87	114	6.00	2.36		
Total BTEX	<0.300	0.300	08/14/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/14/2024	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2024	ND	209	104	200	0.302	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	215	107	200	0.0870	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 08/12/2024  
 Reported: 08/16/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/12/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FS 11 2' (H244861-11)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2024	ND	2.12	106	2.00	3.20		
Toluene*	<0.050	0.050	08/14/2024	ND	2.18	109	2.00	3.10		
Ethylbenzene*	<0.050	0.050	08/14/2024	ND	2.23	112	2.00	2.96		
Total Xylenes*	<0.150	0.150	08/14/2024	ND	6.87	114	6.00	2.36		
Total BTEX	<0.300	0.300	08/14/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/14/2024	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2024	ND	209	104	200	0.302	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	215	107	200	0.0870	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager









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---

August 19, 2024

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

RE: MESA VERDE BONE SPRINGS 0045H

Enclosed are the results of analyses for samples received by the laboratory on 08/13/24 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 [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene  
Lab Director/Quality Manager





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: 08/13/2024  
 Reported: 08/19/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 03 0-2 (H244897-01)**

BTEX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	1.99	99.3	2.00	1.52	
Toluene*	<0.050	0.050	08/15/2024	ND	1.98	99.0	2.00	2.45	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.03	101	2.00	3.52	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	5.95	99.2	6.00	3.27	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 71.5-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: CT				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/15/2024	ND	464	116	400	3.51	

TPH 8015M			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2024	ND	213	107	200	0.583	
DRO >C10-C28*	<10.0	10.0	08/14/2024	ND	204	102	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	08/14/2024	ND					

Surrogate: 1-Chlorooctane 76.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 08/13/2024  
 Reported: 08/19/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 04 0-2 (H244897-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2024	ND	1.99	99.3	2.00	1.52		
Toluene*	<0.050	0.050	08/15/2024	ND	1.98	99.0	2.00	2.45		
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.03	101	2.00	3.52		
Total Xylenes*	<0.150	0.150	08/15/2024	ND	5.95	99.2	6.00	3.27		
Total BTEX	<0.300	0.300	08/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/15/2024	ND	464	116	400	3.51	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2024	ND	213	107	200	0.583	
DRO >C10-C28*	<10.0	10.0	08/14/2024	ND	204	102	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	08/14/2024	ND					

Surrogate: 1-Chlorooctane 71.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 08/13/2024  
 Reported: 08/19/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 01 0-2 (H244897-03)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2024	ND	1.99	99.3	2.00	1.52		
Toluene*	<0.050	0.050	08/15/2024	ND	1.98	99.0	2.00	2.45		
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.03	101	2.00	3.52		
Total Xylenes*	<0.150	0.150	08/15/2024	ND	5.95	99.2	6.00	3.27		
Total BTEX	<0.300	0.300	08/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/15/2024	ND	464	116	400	3.51	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2024	ND	213	107	200	0.583	
DRO >C10-C28*	<10.0	10.0	08/14/2024	ND	204	102	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	08/14/2024	ND					

Surrogate: 1-Chlorooctane 77.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 08/13/2024  
 Reported: 08/19/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 02 0-2 (H244897-04)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2024	ND	1.99	99.3	2.00	1.52		
Toluene*	<0.050	0.050	08/15/2024	ND	1.98	99.0	2.00	2.45		
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.03	101	2.00	3.52		
Total Xylenes*	<0.150	0.150	08/15/2024	ND	5.95	99.2	6.00	3.27		
Total BTEX	<0.300	0.300	08/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/15/2024	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2024	ND	213	107	200	0.583	
DRO >C10-C28*	<10.0	10.0	08/14/2024	ND	204	102	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	08/14/2024	ND					

Surrogate: 1-Chlorooctane 73.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 08/13/2024  
 Reported: 08/19/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FS 01 2 (H244897-05)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2024	ND	1.99	99.3	2.00	1.52		
Toluene*	<0.050	0.050	08/15/2024	ND	1.98	99.0	2.00	2.45		
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.03	101	2.00	3.52		
Total Xylenes*	<0.150	0.150	08/15/2024	ND	5.95	99.2	6.00	3.27		
Total BTEX	<0.300	0.300	08/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/15/2024	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2024	ND	213	107	200	0.583	
DRO >C10-C28*	<10.0	10.0	08/14/2024	ND	204	102	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	08/14/2024	ND					

Surrogate: 1-Chlorooctane 76.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.9 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 08/13/2024  
 Reported: 08/19/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FS 02 2 (H244897-06)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2024	ND	1.99	99.3	2.00	1.52		
Toluene*	<0.050	0.050	08/15/2024	ND	1.98	99.0	2.00	2.45		
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.03	101	2.00	3.52		
Total Xylenes*	<0.150	0.150	08/15/2024	ND	5.95	99.2	6.00	3.27		
Total BTEX	<0.300	0.300	08/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/15/2024	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2024	ND	195	97.6	200	0.257	
DRO >C10-C28*	<10.0	10.0	08/14/2024	ND	208	104	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	08/14/2024	ND					

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.1 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 08/13/2024  
 Reported: 08/19/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FS 03 2 (H244897-07)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2024	ND	1.99	99.3	2.00	1.52		
Toluene*	<0.050	0.050	08/15/2024	ND	1.98	99.0	2.00	2.45		
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.03	101	2.00	3.52		
Total Xylenes*	<0.150	0.150	08/15/2024	ND	5.95	99.2	6.00	3.27		
Total BTEX	<0.300	0.300	08/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/15/2024	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2024	ND	195	97.6	200	0.257	
DRO >C10-C28*	<10.0	10.0	08/14/2024	ND	208	104	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	08/14/2024	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 08/13/2024  
 Reported: 08/19/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FS 04 2 (H244897-08)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2024	ND	1.99	99.3	2.00	1.52		
Toluene*	<0.050	0.050	08/15/2024	ND	1.98	99.0	2.00	2.45		
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.03	101	2.00	3.52		
Total Xylenes*	<0.150	0.150	08/15/2024	ND	5.95	99.2	6.00	3.27		
Total BTEX	<0.300	0.300	08/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/15/2024	ND	464	116	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2024	ND	195	97.6	200	0.257	
DRO >C10-C28*	<10.0	10.0	08/14/2024	ND	208	104	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	08/14/2024	ND					

Surrogate: 1-Chlorooctane 79.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 08/13/2024  
 Reported: 08/19/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FS 05 2 (H244897-09)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2024	ND	1.99	99.3	2.00	1.52		
Toluene*	<0.050	0.050	08/15/2024	ND	1.98	99.0	2.00	2.45		
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.03	101	2.00	3.52		
Total Xylenes*	<0.150	0.150	08/15/2024	ND	5.95	99.2	6.00	3.27		
Total BTEX	<0.300	0.300	08/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/15/2024	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2024	ND	195	97.6	200	0.257	
DRO >C10-C28*	<10.0	10.0	08/14/2024	ND	208	104	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	08/14/2024	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-06            The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- QM-07        The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND            Analyte NOT DETECTED at or above the reporting limit
- RPD          Relative Percent Difference
- \*\*            Samples not received at proper temperature of 6°C or below.
- \*\*\*          Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager







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

August 20, 2024

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

RE: MESA VERDE BONE SPRINGS 0045H

Enclosed are the results of analyses for samples received by the laboratory on 08/14/24 14:03.

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 [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene  
Lab Director/Quality Manager



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: 08/14/2024  
 Reported: 08/20/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 27 0.5' (H244917-01)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.05	103	2.00	1.57	
Toluene*	<0.050	0.050	08/15/2024	ND	2.16	108	2.00	2.60	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.32	116	2.00	0.476	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.97	116	6.00	0.450	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/15/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2024	ND	195	97.6	200	0.257	
DRO >C10-C28*	121	10.0	08/14/2024	ND	208	104	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	08/14/2024	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 08/14/2024  
 Reported: 08/20/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 28 0.5' (H244917-02)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2024	ND	2.05	103	2.00	1.57		
Toluene*	<0.050	0.050	08/15/2024	ND	2.16	108	2.00	2.60		
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.32	116	2.00	0.476		
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.97	116	6.00	0.450		
Total BTEX	<0.300	0.300	08/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/15/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2024	ND	195	97.6	200	0.257	
DRO >C10-C28*	157	10.0	08/14/2024	ND	208	104	200	2.34	
EXT DRO >C28-C36	21.2	10.0	08/14/2024	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 08/14/2024  
 Reported: 08/20/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 29 0.5' (H244917-03)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.05	103	2.00	1.57	
Toluene*	<0.050	0.050	08/15/2024	ND	2.16	108	2.00	2.60	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.32	116	2.00	0.476	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.97	116	6.00	0.450	
Total BTEX	<0.300	0.300	08/15/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/15/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2024	ND	195	97.6	200	0.257	
DRO >C10-C28*	474	10.0	08/14/2024	ND	208	104	200	2.34	
EXT DRO >C28-C36	51.6	10.0	08/14/2024	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 08/14/2024  
 Reported: 08/20/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 30 0.5' (H244917-04)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.05	103	2.00	1.57	
Toluene*	<0.050	0.050	08/15/2024	ND	2.16	108	2.00	2.60	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.32	116	2.00	0.476	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.97	116	6.00	0.450	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	08/15/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2024	ND	195	97.6	200	0.257	
DRO >C10-C28*	384	10.0	08/14/2024	ND	208	104	200	2.34	
EXT DRO >C28-C36	119	10.0	08/14/2024	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 08/14/2024  
 Reported: 08/20/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 31 0.5' (H244917-05)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2024	ND	2.05	103	2.00	1.57		
Toluene*	<0.050	0.050	08/15/2024	ND	2.16	108	2.00	2.60		
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.32	116	2.00	0.476		
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.97	116	6.00	0.450		
Total BTEX	<0.300	0.300	08/15/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3040	16.0	08/15/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	195	97.6	200	0.257	
DRO >C10-C28*	1850	10.0	08/15/2024	ND	208	104	200	2.34	
EXT DRO >C28-C36	136	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 90.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 141 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 08/14/2024  
 Reported: 08/20/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 32 0.5' (H244917-06)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.05	103	2.00	1.57	
Toluene*	<0.050	0.050	08/15/2024	ND	2.16	108	2.00	2.60	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.32	116	2.00	0.476	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.97	116	6.00	0.450	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/15/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	206	103	200	1.09	
DRO >C10-C28*	180	10.0	08/15/2024	ND	219	109	200	2.39	
EXT DRO >C28-C36	24.7	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 62.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.2 % 49.1-148

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**Analytical Results For:**

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

Received: 08/14/2024  
 Reported: 08/20/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 33 0.5' (H244917-07)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2024	ND	2.05	103	2.00	1.57		
Toluene*	<0.050	0.050	08/15/2024	ND	2.16	108	2.00	2.60		
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.32	116	2.00	0.476		
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.97	116	6.00	0.450		
Total BTEX	<0.300	0.300	08/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3000	16.0	08/15/2024	ND	416	104	400	3.77	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	206	103	200	1.09	
DRO >C10-C28*	439	10.0	08/15/2024	ND	219	109	200	2.39	
EXT DRO >C28-C36	89.5	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 70.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.9 % 49.1-148

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**Analytical Results For:**

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

Received: 08/14/2024  
 Reported: 08/20/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 34 0.5' (H244917-08)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.05	103	2.00	1.57	
Toluene*	<0.050	0.050	08/15/2024	ND	2.16	108	2.00	2.60	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.32	116	2.00	0.476	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.97	116	6.00	0.450	
Total BTEX	<0.300	0.300	08/15/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1640	16.0	08/15/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	206	103	200	1.09	
DRO >C10-C28*	3360	10.0	08/15/2024	ND	219	109	200	2.39	
EXT DRO >C28-C36	295	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 64.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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**Analytical Results For:**

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

Received: 08/14/2024  
 Reported: 08/20/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 35 0.5' (H244917-09)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2024	ND	2.05	103	2.00	1.57		
Toluene*	<0.050	0.050	08/15/2024	ND	2.16	108	2.00	2.60		
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.32	116	2.00	0.476		
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.97	116	6.00	0.450		
Total BTEX	<0.300	0.300	08/15/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1420	16.0	08/15/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	206	103	200	1.09	
DRO >C10-C28*	406	10.0	08/15/2024	ND	219	109	200	2.39	
EXT DRO >C28-C36	50.5	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 67.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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**Analytical Results For:**

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

Received: 08/14/2024  
 Reported: 08/20/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 36 0.5' (H244917-10)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.05	103	2.00	1.57	
Toluene*	<0.050	0.050	08/15/2024	ND	2.16	108	2.00	2.60	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.32	116	2.00	0.476	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.97	116	6.00	0.450	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/15/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	206	103	200	1.09	
DRO >C10-C28*	243	10.0	08/15/2024	ND	219	109	200	2.39	
EXT DRO >C28-C36	18.9	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 75.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.7 % 49.1-148

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**Analytical Results For:**

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

Received: 08/14/2024  
 Reported: 08/20/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 16 0.5' (H244917-11)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.05	103	2.00	1.57	
Toluene*	<0.050	0.050	08/15/2024	ND	2.16	108	2.00	2.60	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.32	116	2.00	0.476	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.97	116	6.00	0.450	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/15/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	206	103	200	1.09	
DRO >C10-C28*	94.6	10.0	08/15/2024	ND	219	109	200	2.39	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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**Analytical Results For:**

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

Received: 08/14/2024  
 Reported: 08/20/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 17 0.5' (H244917-12)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2024	ND	2.05	103	2.00	1.57		
Toluene*	<0.050	0.050	08/15/2024	ND	2.16	108	2.00	2.60		
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.32	116	2.00	0.476		
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.97	116	6.00	0.450		
Total BTEX	<0.300	0.300	08/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/15/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	206	103	200	1.09	
DRO >C10-C28*	288	10.0	08/15/2024	ND	219	109	200	2.39	
EXT DRO >C28-C36	54.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 70.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 49.1-148

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**Analytical Results For:**

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

Received: 08/14/2024  
 Reported: 08/20/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 18 0.5' (H244917-13)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.05	103	2.00	1.57	
Toluene*	<0.050	0.050	08/15/2024	ND	2.16	108	2.00	2.60	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.32	116	2.00	0.476	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.97	116	6.00	0.450	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/15/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	206	103	200	1.09	
DRO >C10-C28*	235	10.0	08/15/2024	ND	219	109	200	2.39	
EXT DRO >C28-C36	19.7	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 76.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 49.1-148

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**Analytical Results For:**

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

Received: 08/14/2024  
 Reported: 08/20/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 19 0.5' (H244917-14)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.05	103	2.00	1.57	
Toluene*	<0.050	0.050	08/15/2024	ND	2.16	108	2.00	2.60	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.32	116	2.00	0.476	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.97	116	6.00	0.450	
Total BTEX	<0.300	0.300	08/15/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/15/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	206	103	200	1.09	
DRO >C10-C28*	957	10.0	08/15/2024	ND	219	109	200	2.39	
EXT DRO >C28-C36	134	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 70.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 08/14/2024  
 Reported: 08/20/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 20 0.5' (H244917-15)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.05	103	2.00	1.57	
Toluene*	<0.050	0.050	08/15/2024	ND	2.16	108	2.00	2.60	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.32	116	2.00	0.476	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.97	116	6.00	0.450	
Total BTEX	<0.300	0.300	08/15/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/15/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	206	103	200	1.09	
DRO >C10-C28*	173	10.0	08/15/2024	ND	219	109	200	2.39	
EXT DRO >C28-C36	27.2	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 66.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 08/14/2024  
 Reported: 08/20/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 21 0.5' (H244917-16)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2024	ND	2.05	103	2.00	1.57		
Toluene*	<0.050	0.050	08/15/2024	ND	2.16	108	2.00	2.60		
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.32	116	2.00	0.476		
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.97	116	6.00	0.450		
Total BTEX	<0.300	0.300	08/15/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/15/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	206	103	200	1.09	
DRO >C10-C28*	1030	10.0	08/15/2024	ND	219	109	200	2.39	
EXT DRO >C28-C36	70.8	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 60.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 08/14/2024  
 Reported: 08/20/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 22 0.5' (H244917-17)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2024	ND	2.05	103	2.00	1.57		
Toluene*	<0.050	0.050	08/15/2024	ND	2.16	108	2.00	2.60		
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.32	116	2.00	0.476		
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.97	116	6.00	0.450		
Total BTEX	<0.300	0.300	08/15/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/15/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	206	103	200	1.09	
DRO >C10-C28*	141	10.0	08/15/2024	ND	219	109	200	2.39	
EXT DRO >C28-C36	25.8	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 55.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 08/14/2024  
 Reported: 08/20/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 23 0.5' (H244917-18)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2024	ND	2.05	103	2.00	1.57		
Toluene*	<0.050	0.050	08/15/2024	ND	2.16	108	2.00	2.60		
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.32	116	2.00	0.476		
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.97	116	6.00	0.450		
Total BTEX	<0.300	0.300	08/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/15/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	206	103	200	1.09	
DRO >C10-C28*	31.3	10.0	08/15/2024	ND	219	109	200	2.39	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 71.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.8 % 49.1-148

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**Analytical Results For:**

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

Received: 08/14/2024  
 Reported: 08/20/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 24 0.5' (H244917-19)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.05	103	2.00	1.57	
Toluene*	<0.050	0.050	08/15/2024	ND	2.16	108	2.00	2.60	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.32	116	2.00	0.476	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.97	116	6.00	0.450	
Total BTEX	<0.300	0.300	08/15/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/15/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	206	103	200	1.09	
DRO >C10-C28*	446	10.0	08/15/2024	ND	219	109	200	2.39	
EXT DRO >C28-C36	73.6	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 62.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 08/14/2024  
 Reported: 08/20/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 25 0.5' (H244917-20)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.05	103	2.00	1.57	
Toluene*	<0.050	0.050	08/15/2024	ND	2.16	108	2.00	2.60	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.32	116	2.00	0.476	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.97	116	6.00	0.450	
Total BTEX	<0.300	0.300	08/15/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	08/15/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	206	103	200	1.09	
DRO >C10-C28*	144	10.0	08/15/2024	ND	219	109	200	2.39	
EXT DRO >C28-C36	12.3	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 56.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.7 % 49.1-148

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**Analytical Results For:**

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

Received: 08/14/2024  
 Reported: 08/20/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 37 0.5' (H244917-21)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.25	112	2.00	6.99	
Toluene*	<0.050	0.050	08/15/2024	ND	2.18	109	2.00	10.9	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.16	108	2.00	12.6	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.49	108	6.00	12.6	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	08/15/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	206	103	200	1.09	
DRO >C10-C28*	151	10.0	08/15/2024	ND	219	109	200	2.39	
EXT DRO >C28-C36	14.4	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 72.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.6 % 49.1-148

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**Analytical Results For:**

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

Received: 08/14/2024  
Reported: 08/20/2024  
Project Name: MESA VERDE BONE SPRINGS 0045H  
Project Number: 03B1417174  
Project Location: OXY- LEA CO NM

Sampling Date: 08/14/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: SS 38 0.5' (H244917-22)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.25	112	2.00	6.99	
Toluene*	<0.050	0.050	08/15/2024	ND	2.18	109	2.00	10.9	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.16	108	2.00	12.6	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.49	108	6.00	12.6	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	08/15/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	206	103	200	1.09	
DRO >C10-C28*	1320	10.0	08/15/2024	ND	219	109	200	2.39	
EXT DRO >C28-C36	111	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 71.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.0 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 08/14/2024  
 Reported: 08/20/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 39 0.5' (H244917-23)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.25	112	2.00	6.99	
Toluene*	<0.050	0.050	08/15/2024	ND	2.18	109	2.00	10.9	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.16	108	2.00	12.6	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.49	108	6.00	12.6	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	08/15/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	206	103	200	1.09	
DRO >C10-C28*	73.6	10.0	08/15/2024	ND	219	109	200	2.39	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 69.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 08/14/2024  
 Reported: 08/20/2024  
 Project Name: MESA VERDE BONE SPRINGS 0045H  
 Project Number: 03B1417174  
 Project Location: OXY- LEA CO NM

Sampling Date: 08/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SS 26 0.5' (H244917-24)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.25	112	2.00	6.99	
Toluene*	<0.050	0.050	08/15/2024	ND	2.18	109	2.00	10.9	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.16	108	2.00	12.6	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.49	108	6.00	12.6	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	08/15/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	206	103	200	1.09	
DRO >C10-C28*	56.9	10.0	08/15/2024	ND	219	109	200	2.39	
EXT DRO >C28-C36	15.5	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 78.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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---

### Notes and Definitions

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

---

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager





CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensolum, LLC

P.O. #:

ANALYSIS REQUEST

Project Manager: Beaux Jennings

Address: 601 N. Marland St. STE 400

City: Midland

State: TX

Zip: 79701

Company: OXY USA

Attn: Wade Dittich

Address:

City:

State:

Zip:

Phone #: (210)219-8858

Email: bjennings@ensolum.com

Project Name: ~~Cardinal~~ 03741724

Project Owner: Pesa Verde Rose Spring

Project Location: 03741724

Sample Name: 03741724

Sample ID: 03741724

Sample Depth: 0.5

Sample Matrix: GROUNDWATER

Sample Preservation: ICE / COOL

Sample Date: 8-14-14

Sample Time: 12:03

Sample Analysis: BTEX 8021B

Sample Analysis: TPH 8015M

Sample Analysis: Chloride 4500

Sample Analysis: Hold

Project Location: 03741724

Project Name: 03741724

Project Owner: Pesa Verde Rose Spring

Project Location: 03741724

Sample Name: 03741724

Sample ID: 03741724

Sample Depth: 0.5

Sample Matrix: GROUNDWATER

Sample Preservation: ICE / COOL

Sample Date: 8-14-14

Sample Time: 12:03

Sample Analysis: BTEX 8021B

Sample Analysis: TPH 8015M

Sample Analysis: Chloride 4500

Sample Analysis: Hold

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

Sample Depth (feet)

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

BTEX 8021B

TPH 8015M

Chloride 4500

Hold

11

3516

0.5

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

BTEX 8021B

TPH 8015M

Chloride 4500

Hold

12

3517

0.5

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

BTEX 8021B

TPH 8015M

Chloride 4500

Hold

13

3518

0.5

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

BTEX 8021B

TPH 8015M

Chloride 4500

Hold

14

3519

0.5

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

BTEX 8021B

TPH 8015M

Chloride 4500

Hold

15

3520

0.5

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

BTEX 8021B

TPH 8015M

Chloride 4500

Hold

16

3521

0.5

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

BTEX 8021B

TPH 8015M

Chloride 4500

Hold

17

3522

0.5

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

BTEX 8021B

TPH 8015M

Chloride 4500

Hold

18

3523

0.5

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

BTEX 8021B

TPH 8015M

Chloride 4500

Hold

19

3524

0.5

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

BTEX 8021B

TPH 8015M

Chloride 4500

Hold

20

3525

0.5

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

BTEX 8021B

TPH 8015M

Chloride 4500

Hold





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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

Company Name: Ensolum, LLC

Project Manager: Beaux Jennings

Address: 601 N Marlenfeld Street, Suite 400

City: Midland

Phone #: 210-219-8858

State: TX Zip: 79701

Project #: 038141714

Fax #:

Project Name:

Mesa Verde Bone Spring 0045H

Project Location:

Sample Name:

Knob' Shind'

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

Depth (feet)

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE TIME

TEX 802/D  
TPH 8015M  
chloride 4500

**BILL TO**

**ANALYSIS REQUEST**

P.O. #:

Company: Oxy USA Inc.

Attn: Wade Dittrich

Address:

City:

State: Zip:

Phone #: 575-390-2828

Fax #:

PRESERV.

SAMPLING

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME
21	5534	0.5	C	1										8-14-24	1222
22	5538	0.5	C	1										8-14-24	1223
23	5539	0.5	C	1										8-14-24	1224
24	5526	0.5	C	1										8-14-24	1225

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Acquainted By:

Date: 8-14-24

Received By:

Acquainted By:

Date: 8-14-24

Received By:

Time:

Time:

Delivered By: (Circle One)

Carrier - UPS - Bus - Other:

Observed Temp. °C

Sample Condition Cool Intact

CHECKED BY: (Initials)

Turnaround Time:

Standard Rush

Bacteria (only) Sample Condition

Corrected Temp. °C

Remarks:

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



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

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September 19, 2024

BEAUX JENNINGS

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: LEA LAND CALICHE PIT

Enclosed are the results of analyses for samples received by the laboratory on 09/16/24 14:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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: 09/16/2024  
 Reported: 09/19/2024  
 Project Name: LEA LAND CALICHE PIT  
 Project Number: 03B1417160  
 Project Location: OXY

Sampling Date: 09/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: LEA LAND CALICHE PIT 0.5' (H245619-01)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/17/2024	ND	2.04	102	2.00	2.40		
Toluene*	<0.050	0.050	09/17/2024	ND	1.91	95.7	2.00	2.59		
Ethylbenzene*	<0.050	0.050	09/17/2024	ND	1.93	96.4	2.00	2.47		
Total Xylenes*	<0.150	0.150	09/17/2024	ND	5.72	95.4	6.00	2.68		
Total BTEX	<0.300	0.300	09/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	09/17/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2024	ND	204	102	200	0.238	
DRO >C10-C28*	98.6	10.0	09/17/2024	ND	202	101	200	5.70	
EXT DRO >C28-C36	<10.0	10.0	09/17/2024	ND					

Surrogate: 1-Chlorooctane 70.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.3 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

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### Notes and Definitions

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

---

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

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Celey D. Keene, Lab Director/Quality Manager



ANALYSIS REQUEST

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7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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[illegible]

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Add'l Phone #:

mensolun.com

11

505018 (2001) 10

☐ Yes ☐ Yes

☐ No ☐ No

to get

Page 4 of 4



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ATTACHMENT F

C-141 Documentation

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District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural  
Resources Department

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

Incident ID	nAPP2231459478
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party	OXY USA INC.	OGRID	16696
Contact Name	WADE DITTRICH	Contact Telephone	(575) 390-2828
Contact email	WADE_DITTRICH@OXY.COM	Incident # (assigned by OCD)	
Contact mailing address	PO BOX 4294; HOUSTON, TX 77210		

### Location of Release Source

Latitude N 32.2120103 Longitude W 103.683758  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	MESA VERDE BONE SPRINGS 0045H	Site Type	
Date Release Discovered	11/3/2022	API# (if applicable)	

Unit Letter	Section	Township	Range	County
N	16	24S	32E	LEA ,CO

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 60 BBLS	Volume Recovered (bbls) 40 BBLS
<input type="checkbox"/> Produced Water	Volume Released (bbls) 0 BBLS	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release


SHAKER SCREEN GOT CLOGGED UP

Page 2

Incident ID	nAPP2231459478
District RP	
Facility ID	
Application ID	

<p>Was this a major release as defined by 19.15.29.7(A) NMAC?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>If YES, for what reason(s) does the responsible party consider this a major release?</p>
<p>If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?</p>	

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury*

<p><input type="checkbox"/> The source of the release has been stopped.</p> <p><input type="checkbox"/> The impacted area has been secured to protect human health and the environment.</p> <p><input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.</p> <p><input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.</p>	
<p>If all the actions described above have <u>not</u> been undertaken, explain why:</p>   	
<p>Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.</p>	
<p>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.</p>	
<p>Printed Name: <u>Wade Dittrich</u></p> <p>Signature: <u></u></p> <p>email: <u>wade_dittrich@oxy.com</u></p>	<p>Title: <u>Environmental Coordinator</u></p> <p>Date: <u>11-16-22</u></p> <p>Telephone: <u>(575) 390-2828</u></p>
<p><b><u>OCD Only</u></b></p>	
<p>Received by: <u>Jocelyn Harimon</u> Date: <u>11/16/2022</u></p>	

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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS

Action 415891

**QUESTIONS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 415891
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2231459478
Incident Name	NAPP2231459478 MESA VERDE BONE SPRINGS 0045H @ 30-025-48815
Incident Type	Oil Release
Incident Status	Remediation Plan Received
Incident Well	[30-025-48815] MESA VERDE BONE SPRING UNIT #045H

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

Site Name	MESA VERDE BONE SPRINGS 0045H
Date Release Discovered	11/03/2022
Surface Owner	State

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

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

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

Crude Oil Released (bbls) Details	Cause: Equipment Failure   Dump Valve   Crude Oil   Released: 60 BBL   Recovered: 40 BBL   Lost: 20 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.



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QUESTIONS, Page 2

Action 415891

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 415891
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 12/30/2024
--	---

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QUESTIONS, Page 3

Action 415891

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 415891
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

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

<b>Remediation Plan</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	3040
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	7204
GRO+DRO (EPA SW-846 Method 8015M)	5440
BTEX (EPA SW-846 Method 8021B or 8260B)	0.7
Benzene (EPA SW-846 Method 8021B or 8260B)	0.1
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	05/02/2024
On what date will (or did) the final sampling or liner inspection occur	02/28/2025
On what date will (or was) the remediation complete(d)	02/28/2025
What is the estimated surface area (in square feet) that will be reclaimed	2100
What is the estimated volume (in cubic yards) that will be reclaimed	224
What is the estimated surface area (in square feet) that will be remediated	2100
What is the estimated volume (in cubic yards) that will be remediated	224
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 415891

**QUESTIONS (continued)**

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	Action Number: 415891
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	<b>Yes</b>
Which OCD approved facility will be used for <b>off-site</b> disposal	<a href="#">LEA LAND LANDFILL [fEEM0112342028]</a>
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	<i>Not answered.</i>
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	<i>Not answered.</i>
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	<i>Not answered.</i>
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	<b>No</b>
(In Situ) Soil Vapor Extraction	<b>No</b>
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<b>No</b>
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<b>No</b>
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<b>No</b>
Ground Water Abatement pursuant to 19.15.30 NMAC	<b>No</b>
OTHER (Non-listed remedial process)	<b>No</b>
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: <a href="mailto:wade_dittrich@oxy.com">wade_dittrich@oxy.com</a> Date: 12/30/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 415891

QUESTIONS (continued)

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	Action Number:  415891
	Action Type:  [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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Action 415891

QUESTIONS (continued)

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	Action Number: 415891
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	371492
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/14/2024
What was the (estimated) number of samples that were to be gathered	18
What was the sampling surface area in square feet	8675

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Action 415891

CONDITIONS

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	Action Number: 415891
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CONDITIONS

Created By	Condition	Condition Date
crystal.walker	Approved	1/3/2025