



# ENSOLUM

## CLOSURE REPORT

Property:

**Lost Tank 18 CPF**

**Lea County, New Mexico  
32.387778° N, 103.718333° W  
NMOCD Incident ID: nAPP2231438880**

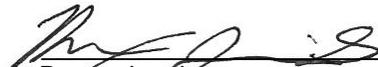
May 17, 2023

Ensolum Project No. 03B1417063

Prepared for:

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

Prepared by:

  
Beaux Jennings  
Senior Project Manager

  
Heather Holthaus  
Senior Project Manager



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32.387778° N, 103.718333° W  
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Ensolum Project No. 03B1417063

### 1.0 INTRODUCTION

#### 1.1 Executive Summary

- On November 6, 2022, a release of produced water was reported from a failure on a transfer pump at the Lost Tank 18 CPF, hereinafter referred to as the "Site". Approximately 350 barrels (bbls) of produced water were released, with 188 bbls recovered, and impacted an area approximately 260 feet long by 100 to 290 feet wide. Oxy contracted Ensolum, LLC (Ensolum) to perform sampling of the release area subsequent to the completion of remediation activities.
- On December 8, 2022, Ensolum arrived on-Site and collected a total of 20 composite soil samples from five locations (PH-1 and PH-5), four from each pothole location at one-foot intervals down to a depth of four feet below ground surface (bgs), within the release area. Additionally, four delineation composite soil samples (BH-1 through BH-4) were collected from a depth of 0.25 feet bgs to determine the horizontal and vertical extent of the release.
- On January 3, 2023, Ensolum arrived at the Site and collected a total of 92 composite floor soil samples from 92 locations (FS-1 through FS-92) within the release area. The composite soil samples were collected from 0-0.25 feet bgs. Based on the laboratory analytical results, six locations within the release area required excavation and/or remediation.
- On February 3, 2023, Oxy submits a Remediation Work Plan for the Site.
- On February 21, 2023, the New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD) approves the Remediation Work Plan submitted by Oxy, with conditions.
- On March 1, 2023, Ensolum arrived at the Site and collected a total of seven composite floor samples from seven locations (FS-64, FS-65, FS-66, FS-78, FS-79, FS-81, and FS-82) subsequent to additional excavation activities. The composite floor soil samples were collected from a depth of one foot bgs. Additionally, four background composite soil samples (BG-1 through BG-4) were collected from locations outside of the release area.
- Based on information obtained from the NM OSE WRSS database, groundwater in the vicinity of the Site is not encountered within the first 100 feet bgs.
- The primary objective of the closure activities was to reduce chemical of concern (COC) concentrations in the on-Site soils to below the applicable New Mexico EMNRD OCD Closure Criteria for Soils Impacted by a Release using the New Mexico Administrative Code (NMAC) 19.15.29 *Releases* as guidance.
- The final release area measured approximately 260 feet long by 100 to 290 feet wide.

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- A total of 119 composite soil samples from 97 locations (PH-1 through PH-5 and FS-1 through FS-92) from within the release area, and eight composite soil samples from eight locations (BH-1 through BH-4 and BG-1 through BG-4) outside of the release area were collected.
- Based on the laboratory analytical results, the final composite soil samples collected from the release area did not exhibit benzene, total benzene, toluene, ethylbenzene, and xylene (BTEX), total petroleum hydrocarbons (TPH), gasoline range organics (GRO), diesel range organics (DRO), motor oil range organics (MRO) or chloride concentrations above the applicable NMOCD Closure Criteria.

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

## 1.2 Site Description & Background

<b>Operator:</b>	Oxy USA Inc. (Oxy)
<b>Site Name:</b>	Lost Tank 18 CPF
<b>Location:</b>	32.387778° N, 103.718333° 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 location in Unit M, Section 18, Township 22 South, Range 32 East, in Lea County, New Mexico and is associated with oil and gas exploration and production operations on BLM Federal Land.

The Topographic Map depicting the location of the Site is included as **Figure 1**, the Site Vicinity Map is included as **Figure 2**, the Site Map indicating the locations of composite soil samples is included as **Figure 3**, and the Closure Criteria Map is included as **Figure 4** in **Appendix A**.

## 1.3 Project Objective

The primary objective of the closure activities was to reduce COC concentrations in the on-Site soils to below the applicable New Mexico EMNRD OCD closure criteria concentrations.

## 2.0 CLOSURE CRITERIA

The Site is subject to regulatory oversight by the New Mexico EMNRD OCD. In order to address activities related to exempt oil and gas releases, the New Mexico EMNRD OCD references 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.

- The Site is not located within 300 feet of a New Mexico EMNRD 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.

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- 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 Bureau of Land Management (BLM), the Site is not located within an unstable area.
- The Site is noted to be located within an area of minimal 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)	EPA SW-846 Method 8015M	1,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

### 3.0 SOIL REMEDIATION ACTIVITIES

On November 6, 2022, a release of produced water was reported from from a failure on a transfer pump at the Site. Approximately 350 bbls of produced water were released, with 188 bbls recovered, and impacted an area approximately 260 feet long by 100 to 290 feet wide. Oxy contracted Ensolum to perform sampling of the release area subsequent to the completion of remediation activities.

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On December 8, 2022, Ensolum arrived on-Site and collected a total of 20 composite soil samples from five locations (PH-1 and PH-5), four from each pothole location at one-foot intervals down to a depth of four feet bgs, within the release area. Additionally, four delineation composite soil samples (BH-1 through BH-4) were collected from a depth of 0.25 feet bgs to determine the horizontal and vertical extent of the release.

On January 3, 2023, Ensolum arrived at the Site and collected a total of 92 composite floor soil samples from 92 locations (FS-1 through FS-92) within the release area. The composite soil samples were collected from 0-0.25 feet bgs. Based on the laboratory analytical results, six locations within the release area required excavation and/or remediation.

On March 1, 2023, Ensolum arrived at the Site and collected a total of seven composite floor samples from seven locations (FS-64, FS-65, FS-66, FS-78, FS-79, FS-81, and FS-82) subsequent to additional excavation activities. The composite floor soil samples were collected from a depth of one foot bgs. Additionally, four background composite soil samples (BG-1 through BG-4) were collected from locations outside of the release area.

Based on the laboratory analytical data, no additional excavation or remediation was required.

The final release area measured approximately 260 feet long by 100 to 290 feet wide.

The lithology at the Site consists primarily of a fine-grained red sand with some plasticity.

**Figure 3A** identifies approximate pothole soil sample and delineation sample locations, and **Figure 3B** identifies the approximate floor sample and background soil sample locations and approximate dimensions of the impacted area with respect to the Site (**Appendix A**). Photographic documentation of the field activities is included in **Appendix C**.

#### 4.0 SOIL SAMPLING PROGRAM

Ensolum's composite soil sampling program included the collection of a total of 119 composite soil samples from 97 locations (PH-1 through PH-5 and FS-1 through FS-92) from within the release area, and eight composite soil samples from eight locations (BH-1 through BH-4 and BG-1 through BG-4) outside of the release area. The composite soil samples from within the release area were collected at depths ranging from 0-1 feet bgs, and the composite soil samples collected outside of the release area were collected from 0-0.25 feet bgs.

The composite soil samples were collected and placed in laboratory prepared glassware, labeled/sealed using laboratory supplied labels and custody seals, and stored on ice in a cooler. The samples were relinquished to Cardinal Laboratories in Hobbs, New Mexico for standard laboratory analysis.

#### 5.0 SOIL LABORATORY ANALYTICAL METHODS

The composite soil samples were analyzed for BTEX utilizing Environmental Protection Agency (EPA) SW-846 Method 8021B, TPH GRO/DRO/MRO utilizing EPA SW-846 Method 8015M, and chloride utilizing EPA Method 4500-Cl B.

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

#### 6.0 DATA EVALUATION

Ensolum compared the benzene, total BTEX, TPH GRO/DRO, TPH GRO/DRO/MRO, and chloride concentrations associated with the composite soil samples collected from within the release area (PH-1 through PH-5 and FS-1 through FS-92) and outside the release area (BH-1 through BH-4 and BG-1 through BG-4) to the applicable NMOCD Closure Criteria.

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- Laboratory analytical results indicate benzene concentrations for the composite soil samples are below the laboratory sample detection limits (SDLs), which are below the applicable NMOCD Closure Criteria of 10 milligrams per kilogram (mg/kg).
- Laboratory analytical results indicate that total BTEX concentrations for the composite soil samples are below the laboratory SDLs, which are below the applicable NMOCD Closure Criteria of 50 mg/kg.
- Laboratory analytical results indicate combined TPH GRO/DRO concentrations for the composite soil samples are below the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 1,000 mg/kg.
- Laboratory analytical results indicate combined TPH GRO/DRO/MRO concentrations for the composite soil samples are below the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 2,500 mg/kg.
- Laboratory analytical results indicate chloride concentrations for the final composite soil samples are below the applicable NMOCD Closure Criteria of 20,000 mg/kg.

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

## 7.0 RECLAMATION AND RE-VEGETATION

Subsequent to the results of the final confirmation soil sampling, the identified impacted soils were removed and taken off-Site for proper disposal. The excavated area was backfilled with clean fill material, and then contoured to the original surrounding grade. Since the release area was on an active facility pad, no reclamation or re-vegetation was required.

## 8.0 FINDINGS AND RECOMMENDATION

- On November 6, 2022, a release of produced water was reported from a failure on a transfer pump at the Site. Approximately 350 bbls of produced water were released, with 188 bbls recovered, and impacted an area approximately 260 feet long by 100 to 290 feet wide. Oxy contracted Ensolum to perform sampling of the release area subsequent to the completion of remediation activities.
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- Based on information obtained from the NM OSE WRSS database, groundwater in the vicinity of the Site is not encountered within the first 100 feet bgs.
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- Based on the laboratory analytical results, the final composite soil samples collected from the release area did not exhibit benzene, BTEX, TPH GRO/DRO, TPH GRO/DRO/MRO or chloride concentrations above the applicable NMOCD Closure Criteria.

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

## 9.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

### 9.1 Standard of Care

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

### 9.2 Limitations

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

### 9.3 Reliance

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

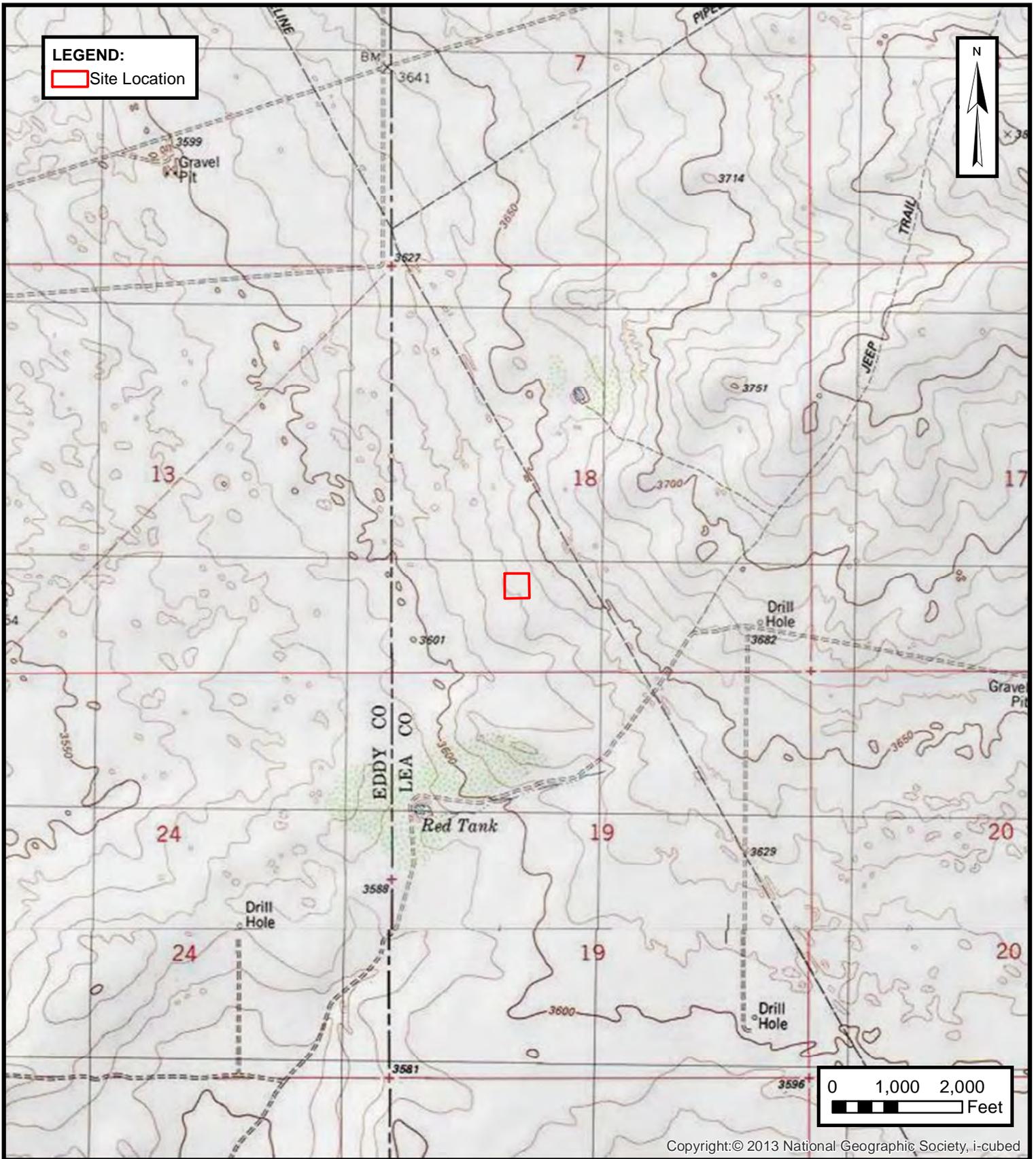


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## APPENDIX A

### Figures

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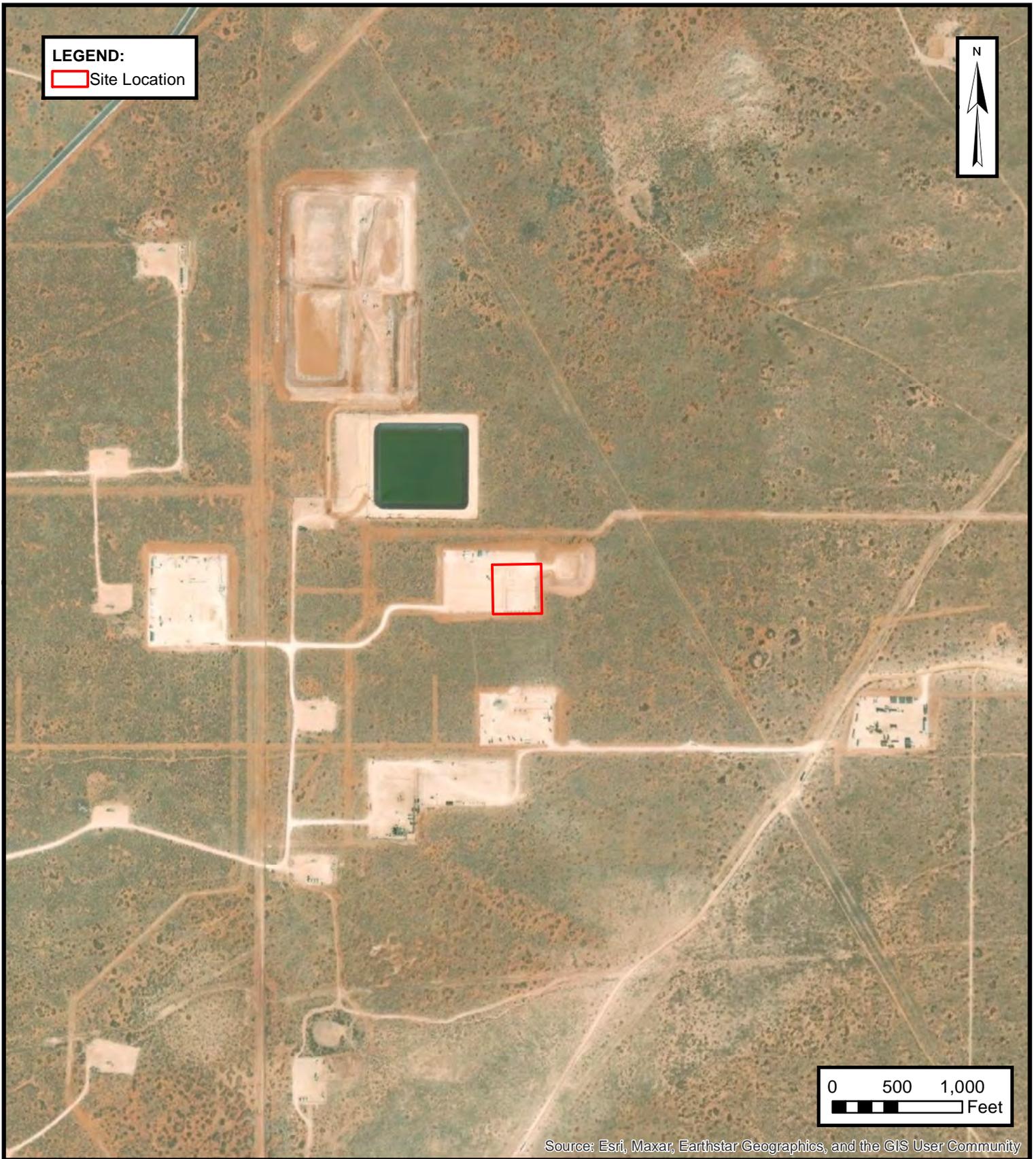
Copyright:© 2013 National Geographic Society, i-cubed

**ENSOLUM**  
 Environmental, Engineering and  
 Hydrogeologic Consultants

**TOPGRAPHIC MAP**  
 OXY USA INC.  
 LOST TANK 18 CPF  
 Lea County, New Mexico  
 32.387778° N, 103.718333° W

PROJECT NUMBER: 03B1417063

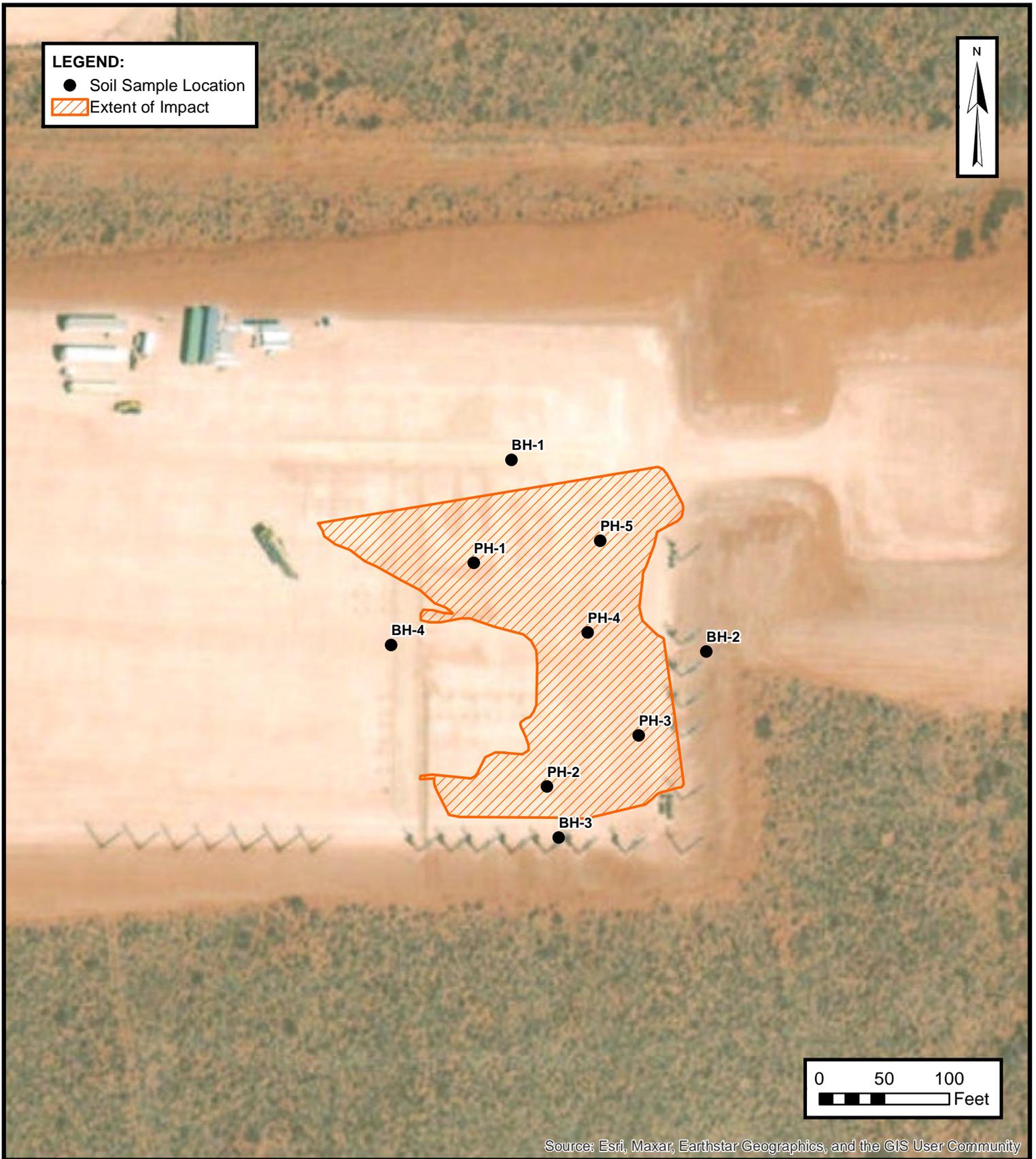
**FIGURE**  
**1**



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Hydrogeologic Consultants

**SITE VICINITY MAP**  
OXY USA INC.  
LOST TANK 18 CPF  
Lea County, New Mexico  
32.387778° N, 103.718333° W  
PROJECT NUMBER: 03B1417063

**FIGURE**  
**2**



**ENSOLUM**  
Environmental, Engineering and  
Hydrogeologic Consultants

**SITE MAP - DELINEATION SAMPLING**

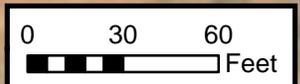
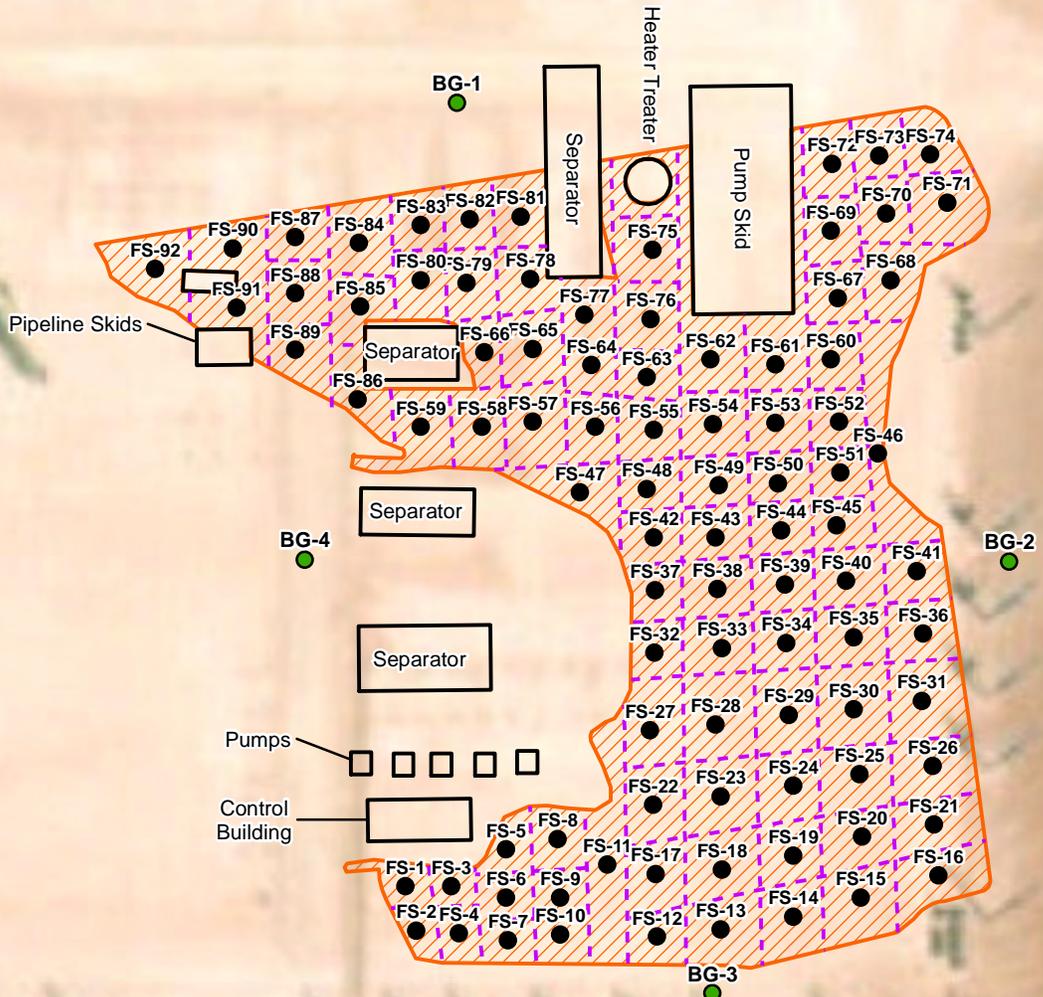
OXY USA INC.  
LOST TANK 18 CPF  
Lea County, New Mexico  
32.387778° N, 103.718333° W

PROJECT NUMBER: 03B1417063

**FIGURE**  
**3A**

**LEGEND:**

- Composite Soil Sample Location
- Background Soil Sample Location
- - - Soil Sample Grid Boundary
- ▨ Extent of Impact



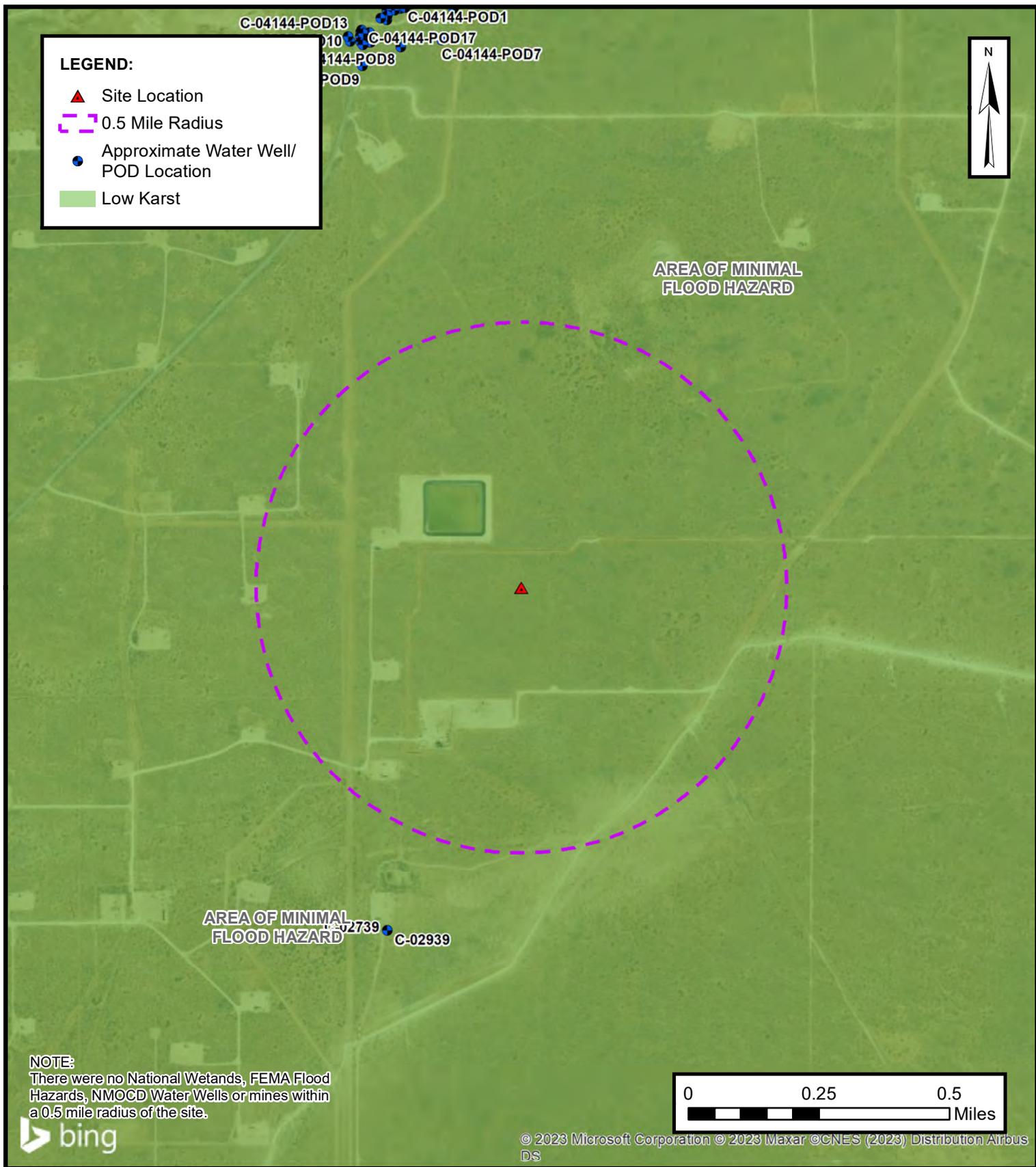
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

**SITE MAP - COMPOSITE SOIL SAMPLING**

OXY USA INC.  
 LOST TANK 18 CPF  
 Lea County, New Mexico  
 32.387778° N, 103.718333° W

PROJECT NUMBER: 03B1417063

**FIGURE**  
**3B**



**CLOSURE CRITERIA MAP**

OXY USA INC.  
 LOST TANK 18 CPF  
 Lea County, New Mexico  
 32.387778° N, 103.718333° W

PROJECT NUMBER: 03B1417063

**FIGURE**  
**4**



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## APPENDIX B

### Supporting Documentation

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## Beaux Jennings

---

**From:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>  
**Sent:** Wednesday, December 21, 2022 5:32 PM  
**To:** Beaux Jennings  
**Cc:** Bratcher, Michael, EMNRD; Nobui, Jennifer, EMNRD  
**Subject:** RE: [EXTERNAL] Lost Tank 18 CPF (Incident # nAPP2231438880)

[ \*\*EXTERNAL EMAIL\*\* ]

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

**Jocelyn Harimon** • Environmental Specialist  
Environmental Bureau  
EMNRD - Oil Conservation Division  
1220 South St. Francis Drive | Santa Fe, NM 87505  
(505)469-2821 | [Jocelyn.Harimon@emnrd.nm.gov](mailto:Jocelyn.Harimon@emnrd.nm.gov)  
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



---

**From:** Beaux Jennings <bjennings@ensolum.com>  
**Sent:** Wednesday, December 21, 2022 3:58 PM  
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>  
**Subject:** [EXTERNAL] Lost Tank 18 CPF (Incident # nAPP2231438880)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Afternoon,

On behalf of Oxy USA Inc, Ensolum, LLC would like to provide notification for sampling activities that will be conducted at the Lost Tank 18 CPF (Incident # nAPP2231438880) on Tueasday, December 27<sup>th</sup> at 11am. The samples may be used for closure, provided that they meet applicable closure limits.

Thank you,



**Beaux Jennings**  
Senior Project Manager  
210-219-8858  
**Ensolum, LLC**  
in f  

**PLEASE NOTE OUR NEW CORPORATE ADDRESS:**  
Ensolum, LLC  
8330 LBJ Freeway, Ste. 830

Dallas, TX 75243

**Beaux Jennings**

---

**From:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>  
**Sent:** Tuesday, December 27, 2022 2:57 PM  
**To:** Beaux Jennings; Enviro, OCD, EMNRD  
**Cc:** Bratcher, Michael, EMNRD; Nobui, Jennifer, EMNRD  
**Subject:** RE: [EXTERNAL] Lost Tank 18 CPF (Incident # nAPP2231438880)

[ **\*\*EXTERNAL EMAIL\*\*** ]

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**Jocelyn Harimon** • Environmental Specialist  
Environmental Bureau  
EMNRD - Oil Conservation Division  
1220 South St. Francis Drive | Santa Fe, NM 87505  
(505)469-2821 | [Jocelyn.Harimon@emnrd.nm.gov](mailto:Jocelyn.Harimon@emnrd.nm.gov)  
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



---

**From:** Beaux Jennings <bjennings@ensolum.com>  
**Sent:** Tuesday, December 27, 2022 11:43 AM  
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>  
**Cc:** Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>  
**Subject:** RE: [EXTERNAL] Lost Tank 18 CPF (Incident # nAPP2231438880)

Good Afternoon,

Due to a scheduling issue, sampling activities will be conducted at the Lost Tank 18 CPF (Incident # nAPP2231438880) on Friday, December 30<sup>th</sup> at 11am. The samples may be used for closure, provided that they meet applicable closure limits.

Thank you,

 **Beaux Jennings**  
Senior Project Manager  
210-219-8858  
**Ensolum, LLC**  
in f  

**PLEASE NOTE OUR NEW CORPORATE ADDRESS:**  
Ensolum, LLC  
8330 LBJ Freeway, Ste. 830  
Dallas, TX 75243

**From:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>  
**Sent:** Wednesday, December 21, 2022 5:32 PM  
**To:** Beaux Jennings <[bjennings@ensolum.com](mailto:bjennings@ensolum.com)>  
**Cc:** Bratcher, Michael, EMNRD <[mike.bratcher@emnrd.nm.gov](mailto:mike.bratcher@emnrd.nm.gov)>; Nobui, Jennifer, EMNRD <[Jennifer.Nobui@emnrd.nm.gov](mailto:Jennifer.Nobui@emnrd.nm.gov)>  
**Subject:** RE: [EXTERNAL] Lost Tank 18 CPF (Incident # nAPP2231438880)

[ **\*\*EXTERNAL EMAIL\*\*** ]

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**Jocelyn Harimon** • Environmental Specialist  
 Environmental Bureau  
 EMNRD - Oil Conservation Division  
 1220 South St. Francis Drive | Santa Fe, NM 87505  
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Thank you,



**Beaux Jennings**  
 Senior Project Manager  
 210-219-8858  
 Ensolum, LLC  
 in f 

**PLEASE NOTE OUR NEW CORPORATE ADDRESS:**  
 Ensolum, LLC  
 8330 LBJ Freeway, Ste. 830

Dallas, TX 75243

**Beaux Jennings**

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**From:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>  
**Sent:** Thursday, February 23, 2023 9:10 AM  
**To:** Beaux Jennings  
**Cc:** Bratcher, Michael, EMNRD; Nobui, Jennifer, EMNRD  
**Subject:** RE: [EXTERNAL] Lost Tank 18 CPF (Incident # nAPP2231438880)

[ **\*\*EXTERNAL EMAIL\*\*** ]

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JH

**Jocelyn Harimon** • Environmental Specialist  
Environmental Bureau  
EMNRD - Oil Conservation Division  
1220 South St. Francis Drive | Santa Fe, NM 87505  
(505)469-2821 | [Jocelyn.Harimon@emnrd.nm.gov](mailto:Jocelyn.Harimon@emnrd.nm.gov)  
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



---

**From:** Beaux Jennings <bjennings@ensolum.com>  
**Sent:** Wednesday, February 22, 2023 1:44 PM  
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>  
**Subject:** [EXTERNAL] Lost Tank 18 CPF (Incident # nAPP2231438880)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Afternoon,

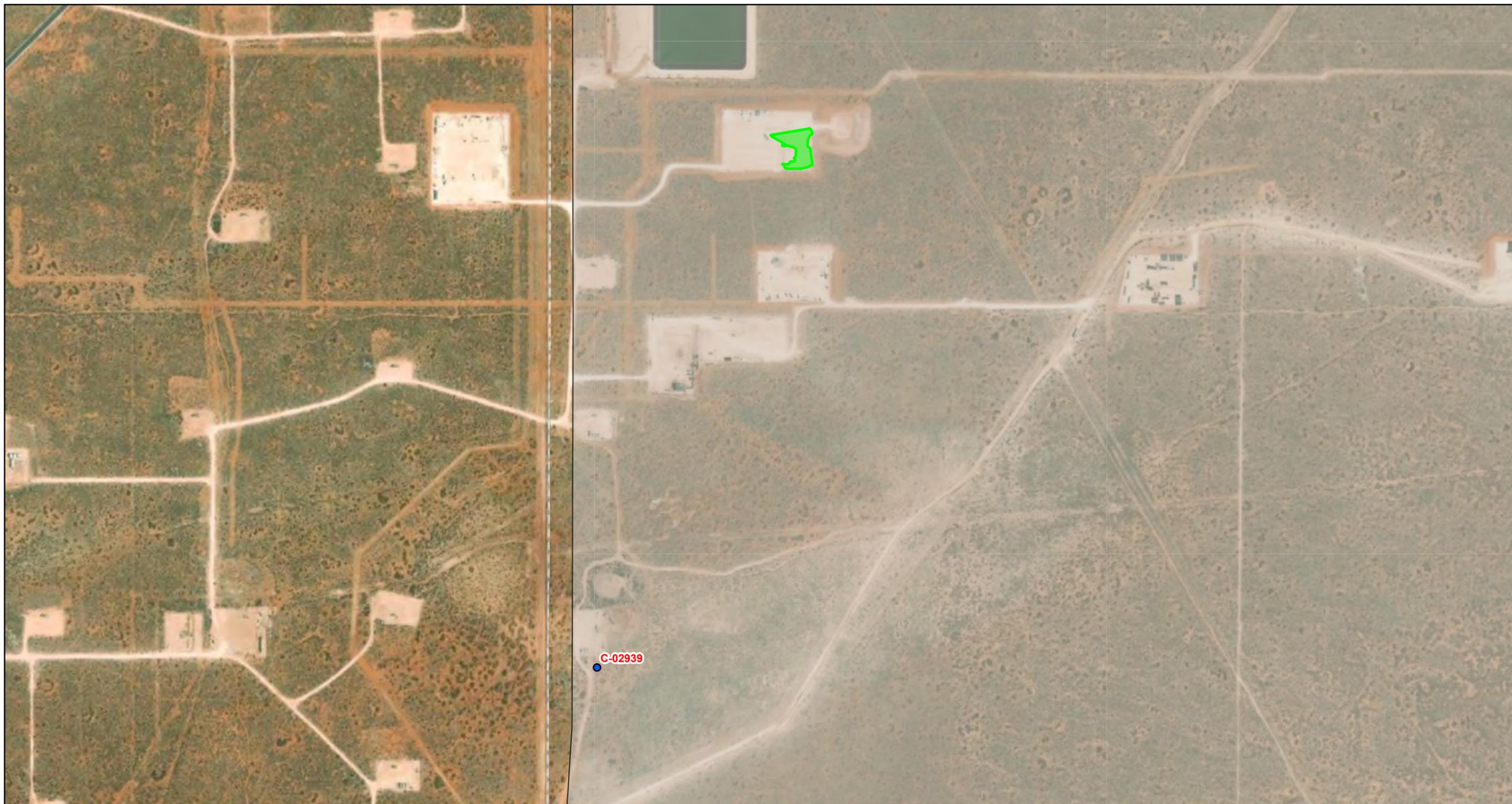
On behalf of Oxy USA Inc, Ensolum, LLC would like to provide notification for sampling activities that will be conducted at the Lost Tank 18 CPF (Incident # nAPP2231438880) on Friday, February 24<sup>th</sup>. The samples may be used for closure, provided that they meet applicable closure limits.

Thank you,



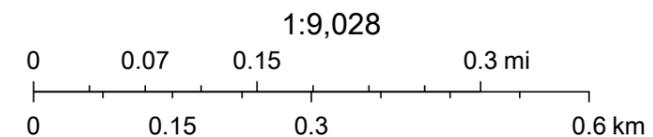
**Beaux Jennings**  
Senior Project Manager  
210-219-8858  
**Ensolum, LLC**  
in f

# OSE POD Locations Map



11/11/2022, 2:41:34 PM

- AREA\_FF00FF00
- OSE District Boundary
- Closure Area
- SiteBoundaries
- Pending
- Active



Esri, HERE, GeoTechnologies, Inc., Esri, HERE, Garmin, GeoTechnologies, Inc., U.S. Department of Energy Office of Legacy Management, Maxar

St

Revised June 1972

STATE ENGINEER OFFICE  
WELL RECORD

472398

Section 1. GENERAL INFORMATION

(A) Owner of well JC+Frances Mills Family Partnership Owner's Well No. \_\_\_\_\_  
Street or Post Office Address Box 1358  
City and State Loving, NM 88256

Well was drilled under Permit No. C-2939 and is located in the:

- a. NW ¼ SW ¼ SW ¼ \_\_\_\_\_ ¼ of Section 19 Township 22S Range 32E N.M.P.M.
- b. Tract No. \_\_\_\_\_ of Map No. \_\_\_\_\_ of the \_\_\_\_\_
- c. Lot No. \_\_\_\_\_ of Block No. \_\_\_\_\_ of the \_\_\_\_\_  
Subdivision, recorded in \_\_\_\_\_ County.
- d. X= \_\_\_\_\_ feet, Y= \_\_\_\_\_ feet, N.M. Coordinate System \_\_\_\_\_ Zone in  
the \_\_\_\_\_ Grant.

(B) Drilling Contractor Taylor Water Well Service License No. WD-1348  
Address 7317 Etcheverry Rd., Carlsbad, NM 88220

Drilling Began 2/9/03 Completed 2/13/03 Type tools Rotary Size of hole 7 7/8 in.

Elevation of land surface or \_\_\_\_\_ at well is UK ft. Total depth of well 280 ft.

Completed well is  shallow  artesian. Depth to water upon completion of well \_\_\_\_\_ ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
			Dry Hole	

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				

Section 5. PLUGGING RECORD

Plugging Contractor \_\_\_\_\_  
Address \_\_\_\_\_  
Plugging Method \_\_\_\_\_  
Date Well Plugged \_\_\_\_\_  
Plugging approved by: \_\_\_\_\_  
State Engineer Representative

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received March 17, 2003

Quad \_\_\_\_\_ FWL \_\_\_\_\_ FSL

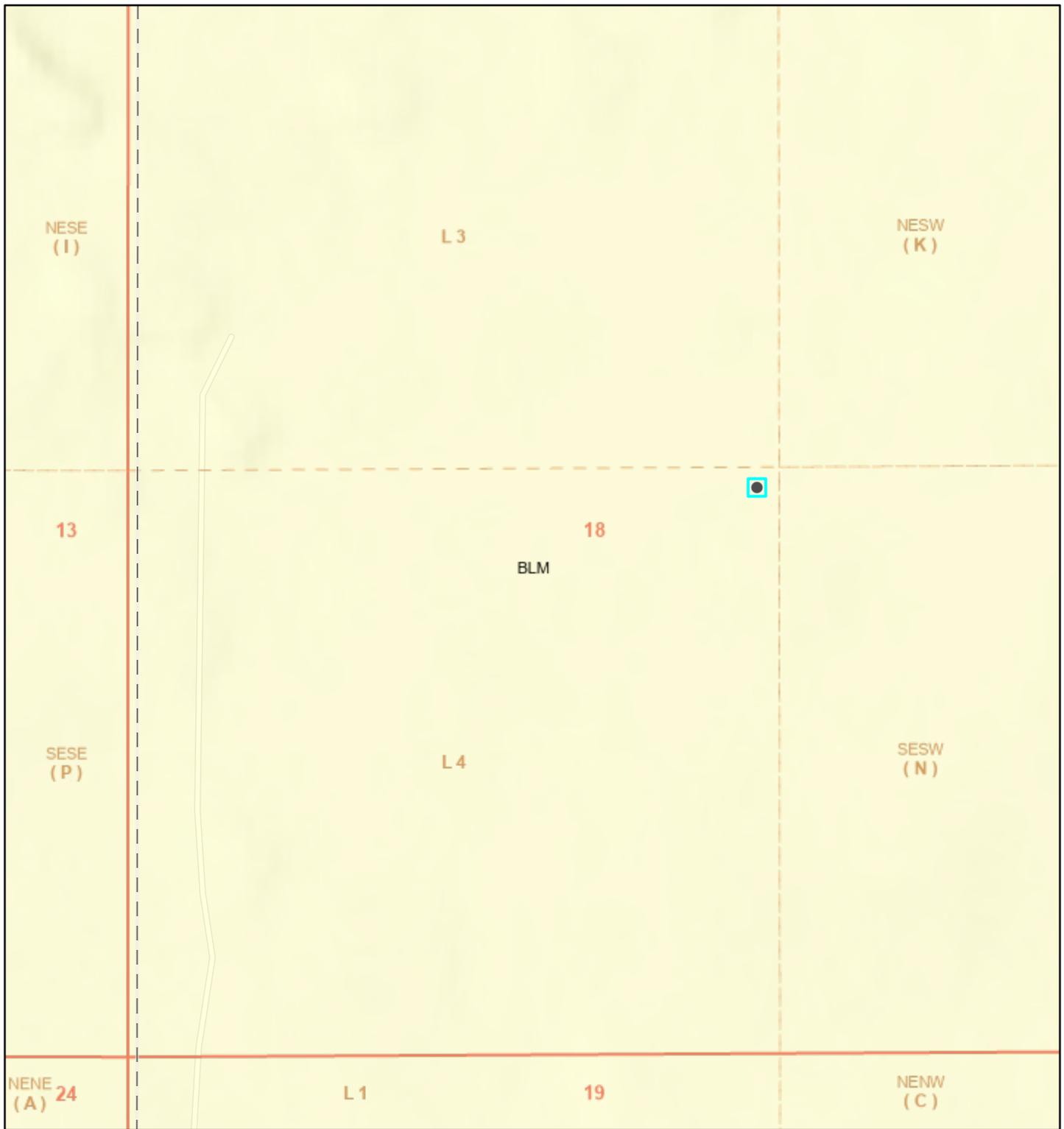
File No. C-2939 Use \_\_\_\_\_ Location No. 22S.32E.19.331

STATE ENGINEER OFFICE  
ROSSELL, NEW MEXICO  
2003 MAR 17 PM 4:04

T 11900



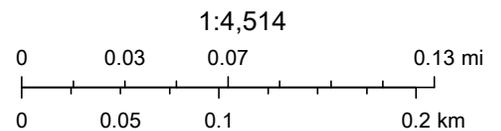
# Active Mines in New Mexico



2/3/2023, 2:21:00 PM

### Land Ownership

- BLM
- PLSS Second Division
- PLSS First Division



U.S. BLM, Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, Sources: Esri, Airbus DS, USGS, NGA, NASA,

EMNRD MMD GIS Coordinator

# National Flood Hazard Layer FIRMette



103°43'25"W 32°23'31"N



## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard <i>Zone D</i>
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
MAP PANELS		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/3/2023 at 3:17 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

# Lost Tank 18 CPF

Write a description for your map.

## Legend

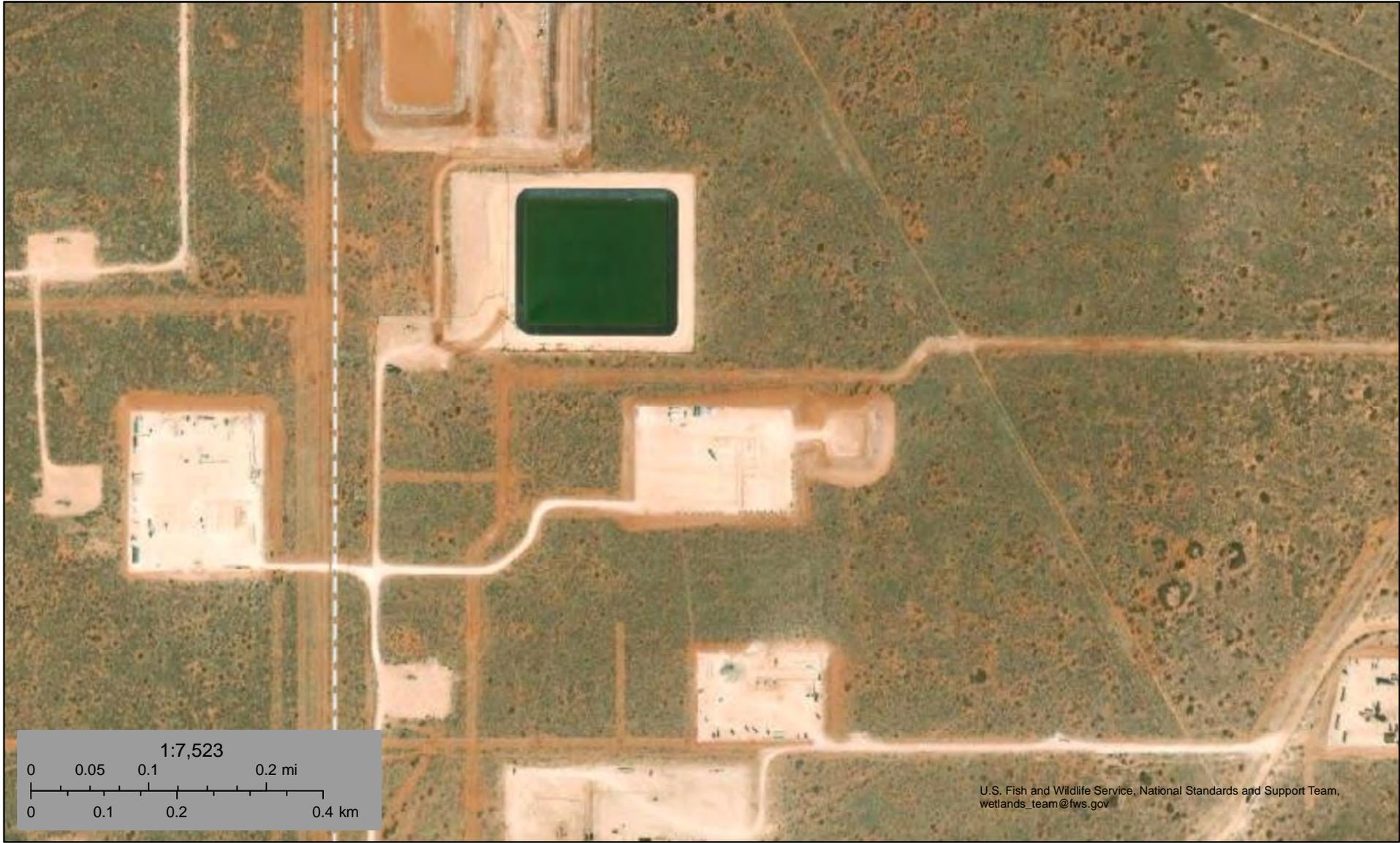
-  32.387778, -103.718333
-  High
-  Low
-  Medium

 32.387778, -103.718333





# Wetlands Mapper



February 3, 2023

### Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



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## APPENDIX C

### Photographic Documentation

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View of impact area during initial investigation activities, facing north.



View of impact area during initial investigation activities, facing east.



View of impact area during initial investigation activities, facing northwest.



View of impact area during initial investigation activities, facing northwest.



View of impact area subsequent to completion of remediation activities, facing northwest.



View of impact area subsequent to completion of remediation activities, facing north.



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## APPENDIX D

### Tables

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**TABLE 1  
SOIL SAMPLE ANALYTICAL RESULTS**

Lost Tank 18 CPF  
Oxy USA Inc.  
Lea County, New Mexico  
Ensolium Project No. 03B1417063

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 (> 100 feet)			10	NE	NE	NE	50	1,000		NE	2,500	20,000
Composite Floor Sample Analytical Results												
FS-1	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	15.0		<10.0	15.0	2,240
FS-2	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300		<10.0	<10.0	<10.0	720
FS-3	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	8,260
FS-4	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	496
FS-5	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	11.8		<10.0	11.8	11,300
FS-6	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	13,000
FS-7	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	5,120
FS-8	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	12,800
FS-9	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	33.0		<10.0	33.0	13,600
FS-10	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	35.5		10.3	45.8	1,760
FS-11	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	95.4		19.1	114.5	12,000
FS-12	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	3,600
FS-13	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	3,880
FS-14	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	6,400
FS-15	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	1,000
FS-16	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	3,160
FS-17	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	16,000
FS-18	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	8,000
FS-19	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	15,600
FS-20	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	12,000
FS-21	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	6,600
FS-22	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	50.3		<10.0	50.3	16,800
FS-23	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	19.0		<10.0	19.0	14,000
FS-24	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	46.1		<10.0	46.1	15,400
FS-25	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	17.0		<10.0	17.0	16,000
FS-26	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	3,280
FS-27	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	16,800
FS-28	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	16.7		<10.0	16.7	16,800
FS-29	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	17,800
FS-30	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	13,000
FS-31	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	704
FS-32	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	13.5		<10.0	13.5	1,250
FS-33	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	13,200
FS-34	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	16,800
FS-35	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	14,800
FS-36	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	8,400
FS-37	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	32.1		<10.0	32.1	13,000
FS-38	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	9,000
FS-39	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	10,000
FS-40	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	12.7		<10.0	12.7	13,000
FS-41	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	5,200
FS-42	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	20.3		<10.0	20.3	9,600
FS-43	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	7,200
FS-44	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	17.1		<10.0	17.1	10,200
FS-45	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	11,000
FS-46	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	17.3		<10.0	17.3	224
FS-47	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	99.9		13.5	113.4	3,280
FS-48	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	162		23.8	185.8	8,800
FS-49	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	7,730
FS-50	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	5,330
FS-51	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	9,600
FS-52	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	4,130
FS-53	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	20.6		<10.0	20.6	7,600
FS-54	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	24.3		<10.0	24.3	7,280
FS-55	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	14,600
FS-56	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	19,600
FS-57	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	10,400
FS-58	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	14,200
FS-59	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	13,800
FS-60	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	1,880



**TABLE 1  
SOIL SAMPLE ANALYTICAL RESULTS**

Lost Tank 18 CPF  
Oxy USA Inc.  
Lea County, New Mexico  
Ensolum Project No. 03B1417063

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)
<b>New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (&gt; 100 feet)</b>			<b>10</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>50</b>	<b>1,000</b>		<b>NE</b>	<b>2,500</b>	<b>20,000</b>
<b>Composite Floor Sample Analytical Results</b>												
FS-61	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	14.1		<10.0	14.1	8,600
FS-62	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	23.7		<10.0	23.7	8,200
FS-63	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	43.6		12.5	56.1	15,000
FS-64	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	22,000
	3/1/2023	1	NS							NS		1,340
FS-65	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	21,200
	3/1/2023	1	NS							NS		5,360
FS-66	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	34.0		<10.0	34.0	20,800
	3/1/2023	1	NS							NS		3,120
FS-67	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	832
FS-68	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	2,400
FS-69	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	54.0		<10.0	54.0	18,000
FS-70	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	10.4		<10.0	10.4	6,800
FS-71	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	960
FS-72	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	88.5		20.5	109	5,040
FS-73	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	60.0		11.5	71.5	3,800
FS-74	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	13.0		<10.0	13.0	2,000
FS-75	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	246		61.7	307.7	7,330
FS-76	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	54.0		12.4	66.4	15,400
FS-77	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	13.0		<10.0	13.0	19,600
FS-78	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	39.1		10.2	49.3	24,000
	3/1/2023	1	NS							NS		2,800
FS-79	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	77.3		17.4	94.7	22,000
	3/1/2023	1	NS							NS		4,160
FS-80	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	28.1		<10.0	28.1	3,680
FS-81	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	97.0		25.9	122.9	31,600
	3/1/2023	1	NS							NS		2,920
FS-82	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	56.8		13.6	70.6	21,200
	3/1/2023	1	NS							NS		3,640
FS-83	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	160		55.0	215	12,600
FS-84	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	163		40.5	203.5	8,400
FS-85	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	12.3		<10.0	12.3	5,840
FS-86	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	15.3		<10.0	15.3	1,090
FS-87	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	64.0
FS-88	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	48.0
FS-89	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	80.0
FS-90	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	48.0
FS-91	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	20.0		<10.0	20.0	32.0
FS-92	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	64.0
<b>Pothole Sample Analytical Results</b>												
PH-1	12/8/2022	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	32.0
		2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	32.0
		3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	<16.0
		4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	<16.0
PH-2	12/8/2022	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	80.0
		2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	224
		3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	48.0
		4	<0.050	<0.050	<0.050	<0.150	<0.300	10.7		<10.0	10.7	32.0
PH-3	12/8/2022	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	560
		2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	368
		3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	32.0
		4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	64.0
PH-4	12/8/2022	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	816
		2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	80.0
		3	<0.050	<0.050	<0.050	<0.150	<0.300	210		36.5	246	160
		4	<0.050	<0.050	<0.050	<0.150	<0.300	37.1		<10.0	37.1	320
PH-5	12/8/2022	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	144
		2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	96.0
		3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	<16.0
		4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	64.0



**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Lost Tank 18 CPF  
 Oxy USA Inc.  
 Lea County, New Mexico  
 Ensolum Project No. 03B1417063

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 (> 100 feet)			10	NE	NE	NE	50	1,000		NE	2,500	20,000
<b>Composite Floor Sample Analytical Results</b>												
<b>Background Sample Analytical Results</b>												
BH-1	12/8/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
BH-2	12/8/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>32.0</b>
BH-3	12/8/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
BH-4	12/8/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
BG-1	3/1/2023	NA	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>80.0</b>
BG-2	3/1/2023	NA	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>128</b>
BG-3	3/1/2023	NA	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>624</b>
BG-4	3/1/2023	NA	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>64.0</b>

Concentrations in **bold** and yellow exceed the New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (> 100 feet)  
 Over Excavated and/or Re-Sampled

bgs: below ground surface  
 mg/kg: milligrams per kilogram  
 NA: Not Applicable  
 NE: Not Established  
 NS: Not Sampled  
 BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes  
 GRO: Gasoline Range Organics  
 DRO: Diesel Range Organics  
 MRO: Motor Oil/Lube Oil Range Organics  
 TPH: Total Petroleum Hydrocarbon



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## APPENDIX E

### Laboratory Data Sheets and Chain-of-Custody Documentation

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

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December 14, 2022

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

RE: LOST TANK 18 CPF

Enclosed are the results of analyses for samples received by the laboratory on 12/08/22 15:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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:	12/08/2022	Sampling Date:	12/08/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417063	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY		

**Sample ID: PH - 1 1' (H225799-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2022	ND	2.16	108	2.00	3.95	
Toluene*	<0.050	0.050	12/11/2022	ND	2.22	111	2.00	0.311	
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.25	112	2.00	1.04	
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.76	113	6.00	1.16	
Total BTEX	<0.300	0.300	12/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

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	12/12/2022	ND	400	100	400	7.69	

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	12/09/2022	ND	182	90.8	200	3.85	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	173	86.4	200	8.19	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 98.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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: 12/08/2022  
 Reported: 12/14/2022  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 12/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: PH - 1 2' (H225799-02)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2022	ND	2.16	108	2.00	3.95	
Toluene*	<0.050	0.050	12/11/2022	ND	2.22	111	2.00	0.311	
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.25	112	2.00	1.04	
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.76	113	6.00	1.16	
Total BTEX	<0.300	0.300	12/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

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	12/12/2022	ND	400	100	400	7.69	

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	12/09/2022	ND	182	90.8	200	3.85	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	173	86.4	200	8.19	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 100 % 45.3-161

Surrogate: 1-Chlorooctadecane 109 % 46.3-178

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:	12/08/2022	Sampling Date:	12/08/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417063	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY		

**Sample ID: PH - 1 3' (H225799-03)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2022	ND	2.16	108	2.00	3.95	
Toluene*	<0.050	0.050	12/11/2022	ND	2.22	111	2.00	0.311	
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.25	112	2.00	1.04	
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.76	113	6.00	1.16	
Total BTEX	<0.300	0.300	12/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

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	12/12/2022	ND	400	100	400	7.69	

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	12/09/2022	ND	182	90.8	200	3.85	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	173	86.4	200	8.19	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 113 % 46.3-178

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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:	12/08/2022	Sampling Date:	12/08/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417063	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY		

**Sample ID: PH - 1 4' (H225799-04)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2022	ND	2.16	108	2.00	3.95	
Toluene*	<0.050	0.050	12/11/2022	ND	2.22	111	2.00	0.311	
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.25	112	2.00	1.04	
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.76	113	6.00	1.16	
Total BTEX	<0.300	0.300	12/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

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	12/12/2022	ND	400	100	400	7.69	

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	12/09/2022	ND	182	90.8	200	3.85	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	173	86.4	200	8.19	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 114 % 46.3-178

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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:	12/08/2022	Sampling Date:	12/08/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417063	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY		

**Sample ID: PH - 2 1' (H225799-05)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2022	ND	2.16	108	2.00	3.95	
Toluene*	<0.050	0.050	12/11/2022	ND	2.22	111	2.00	0.311	
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.25	112	2.00	1.04	
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.76	113	6.00	1.16	
Total BTEX	<0.300	0.300	12/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-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	12/12/2022	ND	400	100	400	7.69	

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	12/09/2022	ND	182	90.8	200	3.85	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	173	86.4	200	8.19	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 102 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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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:	12/08/2022	Sampling Date:	12/08/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417063	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY		

**Sample ID: PH - 2 2' (H225799-06)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/11/2022	ND	2.16	108	2.00	3.95		
Toluene*	<0.050	0.050	12/11/2022	ND	2.22	111	2.00	0.311		
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.25	112	2.00	1.04		
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.76	113	6.00	1.16		
Total BTEX	<0.300	0.300	12/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	12/12/2022	ND	400	100	400	7.69		

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	12/09/2022	ND	182	90.8	200	3.85		
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	173	86.4	200	8.19		
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND						

Surrogate: 1-Chlorooctane 105 % 45.3-161

Surrogate: 1-Chlorooctadecane 116 % 46.3-178

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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:	12/08/2022	Sampling Date:	12/08/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417063	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY		

**Sample ID: PH - 2 3' (H225799-07)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2022	ND	2.16	108	2.00	3.95	
Toluene*	<0.050	0.050	12/11/2022	ND	2.22	111	2.00	0.311	
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.25	112	2.00	1.04	
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.76	113	6.00	1.16	
Total BTEX	<0.300	0.300	12/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>48.0</b>	16.0	12/12/2022	ND	400	100	400	7.69	

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	12/09/2022	ND	182	90.8	200	3.85	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	173	86.4	200	8.19	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 115 % 46.3-178

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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: 12/08/2022  
 Reported: 12/14/2022  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 12/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: PH - 2 4' (H225799-08)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2022	ND	2.16	108	2.00	3.95	
Toluene*	<0.050	0.050	12/11/2022	ND	2.22	111	2.00	0.311	
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.25	112	2.00	1.04	
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.76	113	6.00	1.16	
Total BTEX	<0.300	0.300	12/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>32.0</b>	16.0	12/12/2022	ND	400	100	400	7.69	

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	12/09/2022	ND	166	83.1	200	4.63	
<b>DRO &gt;C10-C28*</b>	<b>10.7</b>	10.0	12/09/2022	ND	159	79.3	200	9.13	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 90.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.8 % 46.3-178

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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:	12/08/2022	Sampling Date:	12/08/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417063	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY		

**Sample ID: PH - 3 1' (H225799-09)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2022	ND	2.16	108	2.00	3.95	
Toluene*	<0.050	0.050	12/11/2022	ND	2.22	111	2.00	0.311	
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.25	112	2.00	1.04	
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.76	113	6.00	1.16	
Total BTEX	<0.300	0.300	12/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	12/12/2022	ND	400	100	400	7.69	

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	12/09/2022	ND	183	91.7	200	0.761	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	155	77.3	200	13.8	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 89.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.4 % 46.3-178

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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:	12/08/2022	Sampling Date:	12/08/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417063	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY		

**Sample ID: PH - 3 2' (H225799-10)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/11/2022	ND	2.16	108	2.00	3.95		
Toluene*	<0.050	0.050	12/11/2022	ND	2.22	111	2.00	0.311		
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.25	112	2.00	1.04		
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.76	113	6.00	1.16		
Total BTEX	<0.300	0.300	12/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	12/12/2022	ND	400	100	400	7.69		

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	12/09/2022	ND	183	91.7	200	0.761		
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	155	77.3	200	13.8		
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND						

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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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:	12/08/2022	Sampling Date:	12/08/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417063	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY		

**Sample ID: PH - 3 3' (H225799-11)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2022	ND	2.16	108	2.00	3.95	
Toluene*	<0.050	0.050	12/11/2022	ND	2.22	111	2.00	0.311	
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.25	112	2.00	1.04	
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.76	113	6.00	1.16	
Total BTEX	<0.300	0.300	12/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

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	12/12/2022	ND	400	100	400	7.69	

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	12/09/2022	ND	183	91.7	200	0.761	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	155	77.3	200	13.8	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 111 % 45.3-161

Surrogate: 1-Chlorooctadecane 109 % 46.3-178

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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:	12/08/2022	Sampling Date:	12/08/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417063	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY		

**Sample ID: PH - 3 4' (H225799-12)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2022	ND	2.16	108	2.00	3.95	
Toluene*	<0.050	0.050	12/11/2022	ND	2.22	111	2.00	0.311	
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.25	112	2.00	1.04	
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.76	113	6.00	1.16	
Total BTEX	<0.300	0.300	12/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-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	12/12/2022	ND	400	100	400	7.69	

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	12/09/2022	ND	183	91.7	200	0.761	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	155	77.3	200	13.8	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 100 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.4 % 46.3-178

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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:	12/08/2022	Sampling Date:	12/08/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417063	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY		

**Sample ID: PH - 4 1' (H225799-13)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2022	ND	2.16	108	2.00	3.95	
Toluene*	<0.050	0.050	12/11/2022	ND	2.22	111	2.00	0.311	
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.25	112	2.00	1.04	
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.76	113	6.00	1.16	
Total BTEX	<0.300	0.300	12/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>816</b>	16.0	12/12/2022	ND	400	100	400	7.69	

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	12/09/2022	ND	183	91.7	200	0.761	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	155	77.3	200	13.8	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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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:	12/08/2022	Sampling Date:	12/08/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417063	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY		

**Sample ID: PH - 4 2' (H225799-14)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/11/2022	ND	2.16	108	2.00	3.95		
Toluene*	<0.050	0.050	12/11/2022	ND	2.22	111	2.00	0.311		
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.25	112	2.00	1.04		
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.76	113	6.00	1.16		
Total BTEX	<0.300	0.300	12/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>80.0</b>	16.0	12/12/2022	ND	400	100	400	7.69		

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	12/09/2022	ND	183	91.7	200	0.761		
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	155	77.3	200	13.8		
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND						

Surrogate: 1-Chlorooctane 100 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.1 % 46.3-178

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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: 12/08/2022  
 Reported: 12/14/2022  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 12/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: PH - 4 3' (H225799-15)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2022	ND	2.16	108	2.00	3.95	
Toluene*	<0.050	0.050	12/11/2022	ND	2.22	111	2.00	0.311	
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.25	112	2.00	1.04	
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.76	113	6.00	1.16	
Total BTEX	<0.300	0.300	12/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

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>160</b>	16.0	12/12/2022	ND	400	100	400	7.69	

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	12/09/2022	ND	183	91.7	200	0.761	
<b>DRO &gt;C10-C28*</b>	<b>210</b>	10.0	12/09/2022	ND	155	77.3	200	13.8	
<b>EXT DRO &gt;C28-C36</b>	<b>36.5</b>	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 96.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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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: 12/08/2022  
 Reported: 12/14/2022  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 12/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: PH - 4 4' (H225799-16)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2022	ND	2.18	109	2.00	0.625	
Toluene*	<0.050	0.050	12/12/2022	ND	2.22	111	2.00	0.246	QR-03
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.26	113	2.00	0.336	QR-03
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.80	113	6.00	0.450	
Total BTEX	<0.300	0.300	12/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	12/12/2022	ND	400	100	400	7.69	

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	12/09/2022	ND	183	91.7	200	0.761	
DRO >C10-C28*	37.1	10.0	12/09/2022	ND	155	77.3	200	13.8	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 82.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.6 % 46.3-178

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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:	12/08/2022	Sampling Date:	12/08/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417063	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY		

**Sample ID: PH - 5 1' (H225799-17)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2022	ND	2.18	109	2.00	0.625	
Toluene*	<0.050	0.050	12/12/2022	ND	2.22	111	2.00	0.246	
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.26	113	2.00	0.336	
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.80	113	6.00	0.450	
Total BTEX	<0.300	0.300	12/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>144</b>	16.0	12/12/2022	ND	400	100	400	7.69	

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	12/09/2022	ND	183	91.7	200	0.761	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	155	77.3	200	13.8	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 88.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.5 % 46.3-178

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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:	12/08/2022	Sampling Date:	12/08/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417063	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY		

**Sample ID: PH - 5 2' (H225799-18)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2022	ND	2.18	109	2.00	0.625	
Toluene*	<0.050	0.050	12/12/2022	ND	2.22	111	2.00	0.246	
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.26	113	2.00	0.336	
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.80	113	6.00	0.450	
Total BTEX	<0.300	0.300	12/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-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	12/12/2022	ND	400	100	400	7.69	

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	12/09/2022	ND	183	91.7	200	0.761	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	155	77.3	200	13.8	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 87.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.2 % 46.3-178

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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: 12/08/2022  
 Reported: 12/14/2022  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 12/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: PH - 5 3' (H225799-19)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2022	ND	2.18	109	2.00	0.625	
Toluene*	<0.050	0.050	12/12/2022	ND	2.22	111	2.00	0.246	
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.26	113	2.00	0.336	
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.80	113	6.00	0.450	
Total BTEX	<0.300	0.300	12/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

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	12/12/2022	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	12/09/2022	ND	183	91.7	200	0.761	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	155	77.3	200	13.8	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 89.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.2 % 46.3-178

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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:	12/08/2022	Sampling Date:	12/08/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417063	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY		

**Sample ID: PH - 5 4' (H225799-20)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2022	ND	2.18	109	2.00	0.625	
Toluene*	<0.050	0.050	12/12/2022	ND	2.22	111	2.00	0.246	
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.26	113	2.00	0.336	
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.80	113	6.00	0.450	
Total BTEX	<0.300	0.300	12/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>64.0</b>	16.0	12/12/2022	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	12/09/2022	ND	183	91.7	200	0.761	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	155	77.3	200	13.8	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 84.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.6 % 46.3-178

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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:	12/08/2022	Sampling Date:	12/08/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417063	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY		

**Sample ID: BH - 1 .25 (H225799-21)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2022	ND	2.18	109	2.00	0.625	
Toluene*	<0.050	0.050	12/12/2022	ND	2.22	111	2.00	0.246	
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.26	113	2.00	0.336	
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.80	113	6.00	0.450	
Total BTEX	<0.300	0.300	12/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

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	12/12/2022	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	12/09/2022	ND	183	91.7	200	0.761	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	155	77.3	200	13.8	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 94.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.5 % 46.3-178

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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:	12/08/2022	Sampling Date:	12/08/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417063	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY		

**Sample ID: BH - 2 .25 (H225799-22)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2022	ND	2.18	109	2.00	0.625	
Toluene*	<0.050	0.050	12/12/2022	ND	2.22	111	2.00	0.246	
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.26	113	2.00	0.336	
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.80	113	6.00	0.450	
Total BTEX	<0.300	0.300	12/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

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	12/12/2022	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	12/09/2022	ND	183	91.7	200	0.761	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	155	77.3	200	13.8	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 87.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.4 % 46.3-178

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:	12/08/2022	Sampling Date:	12/08/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417063	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY		

**Sample ID: BH - 3 .25 (H225799-23)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2022	ND	2.18	109	2.00	0.625	
Toluene*	<0.050	0.050	12/12/2022	ND	2.22	111	2.00	0.246	
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.26	113	2.00	0.336	
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.80	113	6.00	0.450	
Total BTEX	<0.300	0.300	12/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

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	12/12/2022	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	12/09/2022	ND	183	91.7	200	0.761	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	155	77.3	200	13.8	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 84.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.1 % 46.3-178

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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:	12/08/2022	Sampling Date:	12/08/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417063	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY		

**Sample ID: BH - 4 .25 (H225799-24)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2022	ND	2.18	109	2.00	0.625	
Toluene*	<0.050	0.050	12/12/2022	ND	2.22	111	2.00	0.246	
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.26	113	2.00	0.336	
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.80	113	6.00	0.450	
Total BTEX	<0.300	0.300	12/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

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	12/12/2022	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	12/09/2022	ND	183	91.7	200	0.761	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	155	77.3	200	13.8	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 80.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 79.8 % 46.3-178

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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager





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

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

*Pg. 2063*

**ANALYSIS REQUEST**

**BILL TO**

<b>Company Name:</b> Ensolum, LLC	<b>P.O. #:</b>
<b>Project Manager:</b> Beaux Jennings	<b>Company:</b> Oxy USA, Inc.
<b>Address:</b> 601 N. Marientfield St. STE 400	<b>Attn:</b> Wade Dittich
<b>City:</b> Midland	<b>State:</b> TX <b>Zip:</b> 79701
<b>Phone #:</b> 210-219-8858	<b>Address:</b>
<b>Fax #:</b>	<b>City:</b>
<b>Project #:</b> 0331417063	<b>State:</b>
<b>Project Name:</b> lost tank 18 CPF	<b>Zip:</b>
<b>Project Location:</b> Lea County	<b>Phone #:</b> 575-390-2828
<b>Sampler Name:</b> Samantha Matkovic	<b>Fax #:</b>

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	ANALYSIS REQUEST						
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:				ICE / COOL	OTHER :				
HL257991	PH-3	3	C 1		X							12/8/22	1120	X	BTEX	X	TPH	X	Chlorides	X
	PH-3	4	C 1		X							12/8/22	1120	X						
	PH-3	1	C 1		X							12/8/22	1130	X						
	PH-4	2	C 1		X							12/8/22	1130	X						
	PH-4	3	C 1		X							12/8/22	1130	X						
	PH-4	4	C 1		X							12/8/22	1130	X						
	PH-5	1	C 1		X							12/8/22	1145	X						
	PH-5	2	C 1		X							12/8/22	1145	X						
	PH-5	3	C 1		X							12/8/22	1145	X						
	PH-5	4	C 1		X							12/8/22	1145	X						

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

**Relinquished By:** *[Signature]* **Date:** 12/8/22 **Received By:** *[Signature]*

**Relinquished By:** *[Signature]* **Date:** 12/8/22 **Received By:** *[Signature]*

**Observed Temp. °C:** 08 **Sample Condition:** Cool Intact  Yes  No

**Corrected Temp. °C:** 02 **Checked By:** *[Signature]*

**Turnaround Time:**  Standard  Add'l Phone #:

**Thermometer ID #113** **Standard:** *RUSH* **Bacteria (only) Sample Condition:** Cool Intact  Yes  No

**Corrosion Factor: -0.5°C** **Observed Temp. °C:** **Corrected Temp. °C:**

**REMARKS:** B.jennings@ensolum.com

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



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

*Pg 3 of 3*

**BILL TO ANALYSIS REQUEST**

Company Name: Ensolum, LLC		P.O. #:																
Project Manager: Beaux Jennings		Company: Oxy USA, Inc.																
Address: 601 N. Marientfeld St. STE 400		Attn: Wade Dittich																
City: Midland	State: TX Zip: 79701	Address:																
Phone #: 210-219-8858	Fax #: Project Owner:	City:																
Project #: 0331417063	Project Name: <i>Lost Fork 18 OPE</i>	State: Zip:																
Project Location: <i>Lee Garry Well</i>	Sample Name: <i>Samantha Well</i>	Phone #: 575-390-2828																
FOR LAB USE ONLY		FAX #:																
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	TPH	Chlorides
<i>H225199</i>	<i>BH-1</i>	<i>.25</i>	<i>C 1</i>	<i>1</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>12/19/22</i>	<i>1150</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							
<i>212</i>	<i>BH-2</i>	<i>.25</i>	<i>C 1</i>	<i>1</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>12/19/22</i>	<i>1155</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							
<i>213</i>	<i>BH-3</i>	<i>.25</i>	<i>C 1</i>	<i>1</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>12/18/22</i>	<i>1200</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							
<i>214</i>	<i>BIT-34</i>	<i>.25</i>	<i>C 1</i>	<i>1</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>12/19/22</i>	<i>1205</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							

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Relinquished By: *[Signature]* Date: *12/18/22* Received By: *[Signature]* Verbal Result:  Yes  No  Add'l Phone #: *B.jennings@ensolum.com*

Relinquished By: *[Signature]* Date: *12/19/22* Received By: *[Signature]* All Results are emailed. Please provide Email address:

Delivered By: (Circle One) Observed Temp. °C: *0.8* Sample Condition:  Intact  Cool  Yes  No  No  No CHECKED BY: *[Signature]* Turndown Time:  Standard  Rush Bacteria (only) Sample Condition:  Intact  Yes  No  No  No Corrected Temp. °C

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



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January 09, 2023

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

RE: LOST TANK 18 CPF

Enclosed are the results of analyses for samples received by the laboratory on 01/03/23 16:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 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:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 1 0-.25' (H230020-01)**

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	01/05/2023	ND	2.11	105	2.00	1.31	
Toluene*	<0.050	0.050	01/05/2023	ND	2.14	107	2.00	0.907	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.13	107	2.00	0.808	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.43	107	6.00	0.255	
Total BTEX	<0.300	0.300	01/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>2240</b>	16.0	01/05/2023	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	01/04/2023	ND	193	96.3	200	6.49	
<b>DRO &gt;C10-C28*</b>	<b>15.0</b>	10.0	01/04/2023	ND	190	95.1	200	8.54	
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND					

Surrogate: 1-Chlorooctane 73.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 80.7 % 46.3-178

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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:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 2 0-.25' (H230020-02)**

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	01/05/2023	ND	2.11	105	2.00	1.31	
Toluene*	<0.050	0.050	01/05/2023	ND	2.14	107	2.00	0.907	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.13	107	2.00	0.808	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.43	107	6.00	0.255	
Total BTEX	<0.300	0.300	01/05/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	01/05/2023	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	01/04/2023	ND	203	102	200	3.87	
DRO >C10-C28*	<10.0	10.0	01/04/2023	ND	186	93.2	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND					

Surrogate: 1-Chlorooctane 82.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.4 % 46.3-178

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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:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 3 0-.25' (H230020-03)**

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	01/05/2023	ND	2.11	105	2.00	1.31	
Toluene*	<0.050	0.050	01/05/2023	ND	2.14	107	2.00	0.907	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.13	107	2.00	0.808	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.43	107	6.00	0.255	
Total BTEX	<0.300	0.300	01/05/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8260	16.0	01/05/2023	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	01/04/2023	ND	203	102	200	3.87	
DRO >C10-C28*	<10.0	10.0	01/04/2023	ND	186	93.2	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND					

Surrogate: 1-Chlorooctane 81.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.1 % 46.3-178

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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: 01/03/2023  
 Reported: 01/09/2023  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 01/03/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FS - 4 0-.25' (H230020-04)**

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	01/05/2023	ND	2.11	105	2.00	1.31		
Toluene*	<0.050	0.050	01/05/2023	ND	2.14	107	2.00	0.907		
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.13	107	2.00	0.808		
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.43	107	6.00	0.255		
Total BTEX	<0.300	0.300	01/05/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	01/05/2023	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	01/04/2023	ND	203	102	200	3.87		
DRO >C10-C28*	<10.0	10.0	01/04/2023	ND	186	93.2	200	5.07		
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND						

Surrogate: 1-Chlorooctane 88.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.6 % 46.3-178

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**Analytical Results For:**

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

Received: 01/03/2023  
 Reported: 01/09/2023  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 01/03/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FS - 5 0-.25' (H230020-05)**

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	01/05/2023	ND	2.11	105	2.00	1.31	
Toluene*	<0.050	0.050	01/05/2023	ND	2.14	107	2.00	0.907	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.13	107	2.00	0.808	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.43	107	6.00	0.255	
Total BTEX	<0.300	0.300	01/05/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>11300</b>	16.0	01/05/2023	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	01/04/2023	ND	203	102	200	3.87	
<b>DRO &gt;C10-C28*</b>	<b>11.8</b>	10.0	01/04/2023	ND	186	93.2	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND					

Surrogate: 1-Chlorooctane 89.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.8 % 46.3-178

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 6 0-.25' (H230020-06)**

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	01/05/2023	ND	2.11	105	2.00	1.31	
Toluene*	<0.050	0.050	01/05/2023	ND	2.14	107	2.00	0.907	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.13	107	2.00	0.808	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.43	107	6.00	0.255	
Total BTEX	<0.300	0.300	01/05/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13000	16.0	01/05/2023	ND	400	100	400	0.00	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	01/04/2023	ND	203	102	200	3.87	
DRO >C10-C28*	<10.0	10.0	01/04/2023	ND	186	93.2	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND					

Surrogate: 1-Chlorooctane 85.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.6 % 46.3-178

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 7 0-.25' (H230020-07)**

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	01/05/2023	ND	2.11	105	2.00	1.31	
Toluene*	<0.050	0.050	01/05/2023	ND	2.14	107	2.00	0.907	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.13	107	2.00	0.808	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.43	107	6.00	0.255	
Total BTEX	<0.300	0.300	01/05/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>5120</b>	16.0	01/05/2023	ND	400	100	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	01/04/2023	ND	203	102	200	3.87	
DRO >C10-C28*	<10.0	10.0	01/04/2023	ND	186	93.2	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND					

Surrogate: 1-Chlorooctane 91.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.8 % 46.3-178

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 8 0-.25' (H230020-08)**

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	01/05/2023	ND	2.11	105	2.00	1.31	
Toluene*	<0.050	0.050	01/05/2023	ND	2.14	107	2.00	0.907	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.13	107	2.00	0.808	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.43	107	6.00	0.255	
Total BTEX	<0.300	0.300	01/05/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>12800</b>	16.0	01/05/2023	ND	400	100	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	01/04/2023	ND	203	102	200	3.87	
DRO >C10-C28*	<10.0	10.0	01/04/2023	ND	186	93.2	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND					

Surrogate: 1-Chlorooctane 84.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.2 % 46.3-178

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 9 0-.25' (H230020-09)**

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	01/05/2023	ND	2.11	105	2.00	1.31	
Toluene*	<0.050	0.050	01/05/2023	ND	2.14	107	2.00	0.907	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.13	107	2.00	0.808	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.43	107	6.00	0.255	
Total BTEX	<0.300	0.300	01/05/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>13600</b>	16.0	01/05/2023	ND	400	100	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	01/04/2023	ND	212	106	200	1.26	
<b>DRO &gt;C10-C28*</b>	<b>33.0</b>	10.0	01/04/2023	ND	223	112	200	4.93	
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND					

Surrogate: 1-Chlorooctane 87.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.9 % 46.3-178

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 10 0-.25' (H230020-10)**

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	01/05/2023	ND	2.11	105	2.00	1.31	
Toluene*	<0.050	0.050	01/05/2023	ND	2.14	107	2.00	0.907	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.13	107	2.00	0.808	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.43	107	6.00	0.255	
Total BTEX	<0.300	0.300	01/05/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1760</b>	16.0	01/05/2023	ND	400	100	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	01/04/2023	ND	212	106	200	1.26	
<b>DRO &gt;C10-C28*</b>	<b>35.5</b>	10.0	01/04/2023	ND	223	112	200	4.93	
<b>EXT DRO &gt;C28-C36</b>	<b>10.3</b>	10.0	01/04/2023	ND					

Surrogate: 1-Chlorooctane 87.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.5 % 46.3-178

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**Analytical Results For:**

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

Received: 01/03/2023  
 Reported: 01/09/2023  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 01/03/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FS - 11 0-.25' (H230020-11)**

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	01/05/2023	ND	2.11	105	2.00	1.31	
Toluene*	<0.050	0.050	01/05/2023	ND	2.14	107	2.00	0.907	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.13	107	2.00	0.808	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.43	107	6.00	0.255	
Total BTEX	<0.300	0.300	01/05/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>12000</b>	16.0	01/05/2023	ND	400	100	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	01/04/2023	ND	212	106	200	1.26	
<b>DRO &gt;C10-C28*</b>	<b>95.4</b>	10.0	01/04/2023	ND	223	112	200	4.93	
<b>EXT DRO &gt;C28-C36</b>	<b>19.1</b>	10.0	01/04/2023	ND					

Surrogate: 1-Chlorooctane 80.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.4 % 46.3-178

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 12 0-.25' (H230020-12)**

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	01/05/2023	ND	2.05	102	2.00	1.35	
Toluene*	<0.050	0.050	01/05/2023	ND	2.21	111	2.00	1.99	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	1.35	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.84	114	6.00	0.432	
Total BTEX	<0.300	0.300	01/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 128 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3600	16.0	01/05/2023	ND	400	100	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	01/04/2023	ND	212	106	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/04/2023	ND	223	112	200	4.93	
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND					

Surrogate: 1-Chlorooctane 80.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 78.8 % 46.3-178

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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:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 13 0-.25' (H230020-13)**

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	01/05/2023	ND	2.05	102	2.00	1.35	
Toluene*	<0.050	0.050	01/05/2023	ND	2.21	111	2.00	1.99	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	1.35	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.84	114	6.00	0.432	
Total BTEX	<0.300	0.300	01/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3880	16.0	01/05/2023	ND	400	100	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	01/04/2023	ND	212	106	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/04/2023	ND	223	112	200	4.93	
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND					

Surrogate: 1-Chlorooctane 84.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.8 % 46.3-178

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 14 0-.25' (H230020-14)**

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	01/05/2023	ND	2.05	102	2.00	1.35		
Toluene*	<0.050	0.050	01/05/2023	ND	2.21	111	2.00	1.99		
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	1.35		
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.84	114	6.00	0.432		
Total BTEX	<0.300	0.300	01/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6400	16.0	01/05/2023	ND	400	100	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	01/04/2023	ND	212	106	200	1.26		
DRO >C10-C28*	<10.0	10.0	01/04/2023	ND	223	112	200	4.93		
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND						

Surrogate: 1-Chlorooctane 84.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.4 % 46.3-178

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 15 0-.25' (H230020-15)**

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	01/05/2023	ND	2.05	102	2.00	1.35	
Toluene*	<0.050	0.050	01/05/2023	ND	2.21	111	2.00	1.99	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	1.35	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.84	114	6.00	0.432	
Total BTEX	<0.300	0.300	01/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1000	16.0	01/05/2023	ND	400	100	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	01/04/2023	ND	212	106	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/04/2023	ND	223	112	200	4.93	
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND					

Surrogate: 1-Chlorooctane 96.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.2 % 46.3-178

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 16 0-.25' (H230020-16)**

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	01/05/2023	ND	2.05	102	2.00	1.35	
Toluene*	<0.050	0.050	01/05/2023	ND	2.21	111	2.00	1.99	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	1.35	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.84	114	6.00	0.432	
Total BTEX	<0.300	0.300	01/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 128 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3160	16.0	01/05/2023	ND	400	100	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	01/04/2023	ND	212	106	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/04/2023	ND	223	112	200	4.93	
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND					

Surrogate: 1-Chlorooctane 99.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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**Analytical Results For:**

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

Received: 01/03/2023  
 Reported: 01/09/2023  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 01/03/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FS - 17 0-.25' (H230020-17)**

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	01/05/2023	ND	2.05	102	2.00	1.35	
Toluene*	<0.050	0.050	01/05/2023	ND	2.21	111	2.00	1.99	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	1.35	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.84	114	6.00	0.432	
Total BTEX	<0.300	0.300	01/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 128 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16000	16.0	01/05/2023	ND	400	100	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	01/04/2023	ND	212	106	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/04/2023	ND	223	112	200	4.93	
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND					

Surrogate: 1-Chlorooctane 96.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.3 % 46.3-178

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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:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 18 0-.25' (H230020-18)**

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	01/05/2023	ND	2.05	102	2.00	1.35	
Toluene*	<0.050	0.050	01/05/2023	ND	2.21	111	2.00	1.99	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	1.35	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.84	114	6.00	0.432	
Total BTEX	<0.300	0.300	01/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8000	16.0	01/05/2023	ND	400	100	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	01/04/2023	ND	212	106	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/04/2023	ND	223	112	200	4.93	
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND					

Surrogate: 1-Chlorooctane 106 % 45.3-161

Surrogate: 1-Chlorooctadecane 107 % 46.3-178

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 19 0-.25' (H230020-19)**

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	01/05/2023	ND	2.05	102	2.00	1.35	
Toluene*	<0.050	0.050	01/05/2023	ND	2.21	111	2.00	1.99	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	1.35	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.84	114	6.00	0.432	
Total BTEX	<0.300	0.300	01/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>15600</b>	16.0	01/05/2023	ND	400	100	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	01/04/2023	ND	212	106	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/04/2023	ND	223	112	200	4.93	
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND					

Surrogate: 1-Chlorooctane 89.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.0 % 46.3-178

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 20 0-.25' (H230020-20)**

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	01/05/2023	ND	2.05	102	2.00	1.35	
Toluene*	<0.050	0.050	01/05/2023	ND	2.21	111	2.00	1.99	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	1.35	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.84	114	6.00	0.432	
Total BTEX	<0.300	0.300	01/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 129 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12000	16.0	01/05/2023	ND	400	100	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	01/04/2023	ND	212	106	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/04/2023	ND	223	112	200	4.93	
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND					

Surrogate: 1-Chlorooctane 102 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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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: 01/03/2023  
 Reported: 01/09/2023  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 01/03/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FS - 21 0-.25' (H230020-21)**

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	01/05/2023	ND	2.05	102	2.00	1.35	
Toluene*	<0.050	0.050	01/05/2023	ND	2.21	111	2.00	1.99	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	1.35	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.84	114	6.00	0.432	
Total BTEX	<0.300	0.300	01/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6600	16.0	01/05/2023	ND	400	100	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	01/04/2023	ND	212	106	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/04/2023	ND	223	112	200	4.93	
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND					

Surrogate: 1-Chlorooctane 90.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.9 % 46.3-178

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**Analytical Results For:**

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

Received: 01/03/2023  
 Reported: 01/09/2023  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 01/03/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FS - 22 0-.25' (H230020-22)**

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	01/05/2023	ND	2.05	102	2.00	1.35	
Toluene*	<0.050	0.050	01/05/2023	ND	2.21	111	2.00	1.99	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	1.35	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.84	114	6.00	0.432	
Total BTEX	<0.300	0.300	01/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 128 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>16800</b>	16.0	01/05/2023	ND	400	100	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	01/04/2023	ND	212	106	200	1.26	
<b>DRO &gt;C10-C28*</b>	<b>50.3</b>	10.0	01/04/2023	ND	223	112	200	4.93	
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND					

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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**Analytical Results For:**

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

Received: 01/03/2023  
 Reported: 01/09/2023  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 01/03/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FS - 23 0-.25' (H230020-23)**

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	01/05/2023	ND	2.05	102	2.00	1.35		
Toluene*	<0.050	0.050	01/05/2023	ND	2.21	111	2.00	1.99		
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	1.35		
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.84	114	6.00	0.432		
Total BTEX	<0.300	0.300	01/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 128 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>14000</b>	16.0	01/05/2023	ND	400	100	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	01/04/2023	ND	212	106	200	1.26		
<b>DRO &gt;C10-C28*</b>	<b>19.0</b>	10.0	01/04/2023	ND	223	112	200	4.93		
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND						

Surrogate: 1-Chlorooctane 105 % 45.3-161

Surrogate: 1-Chlorooctadecane 107 % 46.3-178

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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:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 24 0-.25' (H230020-24)**

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	01/05/2023	ND	2.05	102	2.00	1.35	
Toluene*	<0.050	0.050	01/05/2023	ND	2.21	111	2.00	1.99	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	1.35	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.84	114	6.00	0.432	
Total BTEX	<0.300	0.300	01/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>15400</b>	16.0	01/05/2023	ND	400	100	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	01/04/2023	ND	212	106	200	1.26	
<b>DRO &gt;C10-C28*</b>	<b>46.1</b>	10.0	01/04/2023	ND	223	112	200	4.93	
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND					

Surrogate: 1-Chlorooctane 124 % 45.3-161

Surrogate: 1-Chlorooctadecane 127 % 46.3-178

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**Analytical Results For:**

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

Received: 01/03/2023  
 Reported: 01/09/2023  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 01/03/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FS - 25 0-.25' (H230020-25)**

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	01/05/2023	ND	2.05	102	2.00	1.35	
Toluene*	<0.050	0.050	01/05/2023	ND	2.21	111	2.00	1.99	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	1.35	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.84	114	6.00	0.432	
Total BTEX	<0.300	0.300	01/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 128 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>16000</b>	16.0	01/05/2023	ND	400	100	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	01/04/2023	ND	212	106	200	1.26	
<b>DRO &gt;C10-C28*</b>	<b>17.0</b>	10.0	01/04/2023	ND	223	112	200	4.93	
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND					

Surrogate: 1-Chlorooctane 115 % 45.3-161

Surrogate: 1-Chlorooctadecane 116 % 46.3-178

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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:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 26 0-.25' (H230020-26)**

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	01/05/2023	ND	2.05	102	2.00	1.35	
Toluene*	<0.050	0.050	01/05/2023	ND	2.21	111	2.00	1.99	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	1.35	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.84	114	6.00	0.432	
Total BTEX	<0.300	0.300	01/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 128 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3280	16.0	01/05/2023	ND	416	104	400	3.92	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	01/04/2023	ND	212	106	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/04/2023	ND	223	112	200	4.93	
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND					

Surrogate: 1-Chlorooctane 97.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.3 % 46.3-178

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 27 0-.25' (H230020-27)**

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	01/05/2023	ND	2.05	102	2.00	1.35	
Toluene*	<0.050	0.050	01/05/2023	ND	2.21	111	2.00	1.99	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	1.35	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.84	114	6.00	0.432	
Total BTEX	<0.300	0.300	01/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 128 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>16800</b>	16.0	01/05/2023	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	01/04/2023	ND	212	106	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/04/2023	ND	223	112	200	4.93	
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND					

Surrogate: 1-Chlorooctane 97.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.7 % 46.3-178

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 28 0-.25' (H230020-28)**

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	01/05/2023	ND	2.05	102	2.00	1.35	
Toluene*	<0.050	0.050	01/05/2023	ND	2.21	111	2.00	1.99	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	1.35	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.84	114	6.00	0.432	
Total BTEX	<0.300	0.300	01/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 128 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>16800</b>	16.0	01/05/2023	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	01/04/2023	ND	212	106	200	1.26	
<b>DRO &gt;C10-C28*</b>	<b>16.7</b>	10.0	01/04/2023	ND	223	112	200	4.93	
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND					

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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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:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 29 0-.25' (H230020-29)**

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	01/05/2023	ND	2.05	102	2.00	1.35		
Toluene*	<0.050	0.050	01/05/2023	ND	2.21	111	2.00	1.99		
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	1.35		
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.84	114	6.00	0.432		
Total BTEX	<0.300	0.300	01/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 128 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>17800</b>	16.0	01/05/2023	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	01/04/2023	ND	200	99.9	200	1.67		
DRO >C10-C28*	<10.0	10.0	01/04/2023	ND	196	97.9	200	3.99		
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND						

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 117 % 46.3-178

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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:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 30 0-.25' (H230020-30)**

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	01/05/2023	ND	2.05	102	2.00	1.35	
Toluene*	<0.050	0.050	01/05/2023	ND	2.21	111	2.00	1.99	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	1.35	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.84	114	6.00	0.432	
Total BTEX	<0.300	0.300	01/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13000	16.0	01/05/2023	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	01/04/2023	ND	200	99.9	200	1.67	
DRO >C10-C28*	<10.0	10.0	01/04/2023	ND	196	97.9	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND					

Surrogate: 1-Chlorooctane 87.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.7 % 46.3-178

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 31 0-.25' (H230020-31)**

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	01/05/2023	ND	2.05	102	2.00	1.35	
Toluene*	<0.050	0.050	01/05/2023	ND	2.21	111	2.00	1.99	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	1.35	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.84	114	6.00	0.432	
Total BTEX	<0.300	0.300	01/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	01/05/2023	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	01/04/2023	ND	200	99.9	200	1.67	
DRO >C10-C28*	<10.0	10.0	01/04/2023	ND	196	97.9	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND					

Surrogate: 1-Chlorooctane 93.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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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: 01/03/2023  
 Reported: 01/09/2023  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 01/03/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FS - 32 0-.25' (H230020-32)**

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	01/05/2023	ND	2.14	107	2.00	0.983		
Toluene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	2.22		
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.20	110	2.00	2.76		
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.67	111	6.00	3.48		
Total BTEX	<0.300	0.300	01/05/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>1250</b>	16.0	01/05/2023	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	01/04/2023	ND	200	99.9	200	1.67		
<b>DRO &gt;C10-C28*</b>	<b>13.5</b>	10.0	01/04/2023	ND	196	97.9	200	3.99		
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND						

Surrogate: 1-Chlorooctane 99.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 113 % 46.3-178

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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: 01/03/2023  
 Reported: 01/09/2023  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 01/03/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FS - 33 0-.25' (H230020-33)**

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	01/05/2023	ND	2.14	107	2.00	0.983	
Toluene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	2.22	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.20	110	2.00	2.76	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.67	111	6.00	3.48	
Total BTEX	<0.300	0.300	01/05/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13200	16.0	01/05/2023	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	01/04/2023	ND	200	99.9	200	1.67	
DRO >C10-C28*	<10.0	10.0	01/04/2023	ND	196	97.9	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND					

Surrogate: 1-Chlorooctane 90.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.9 % 46.3-178

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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: 01/03/2023  
 Reported: 01/09/2023  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 01/03/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FS - 34 0-.25' (H230020-34)**

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	01/05/2023	ND	2.14	107	2.00	0.983	
Toluene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	2.22	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.20	110	2.00	2.76	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.67	111	6.00	3.48	
Total BTEX	<0.300	0.300	01/05/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16800	16.0	01/05/2023	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	01/04/2023	ND	200	99.9	200	1.67	
DRO >C10-C28*	<10.0	10.0	01/04/2023	ND	196	97.9	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND					

Surrogate: 1-Chlorooctane 86.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 100 % 46.3-178

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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:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 35 0-.25' (H230020-35)**

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	01/05/2023	ND	2.14	107	2.00	0.983	
Toluene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	2.22	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.20	110	2.00	2.76	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.67	111	6.00	3.48	
Total BTEX	<0.300	0.300	01/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>14800</b>	16.0	01/05/2023	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	01/04/2023	ND	200	99.9	200	1.67	
DRO >C10-C28*	<10.0	10.0	01/04/2023	ND	196	97.9	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND					

Surrogate: 1-Chlorooctane 92.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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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: 01/03/2023  
 Reported: 01/09/2023  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 01/03/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FS - 36 0-.25' (H230020-36)**

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	01/05/2023	ND	2.14	107	2.00	0.983	
Toluene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	2.22	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.20	110	2.00	2.76	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.67	111	6.00	3.48	
Total BTEX	<0.300	0.300	01/05/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>8400</b>	16.0	01/05/2023	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	01/04/2023	ND	200	99.9	200	1.67	
DRO >C10-C28*	<10.0	10.0	01/04/2023	ND	196	97.9	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND					

Surrogate: 1-Chlorooctane 81.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.3 % 46.3-178

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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:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 37 0-.25' (H230020-37)**

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	01/05/2023	ND	2.14	107	2.00	0.983	
Toluene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	2.22	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.20	110	2.00	2.76	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.67	111	6.00	3.48	
Total BTEX	<0.300	0.300	01/05/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>13000</b>	16.0	01/05/2023	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	01/04/2023	ND	200	99.9	200	1.67	
<b>DRO &gt;C10-C28*</b>	<b>32.1</b>	10.0	01/04/2023	ND	196	97.9	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	01/04/2023	ND					

Surrogate: 1-Chlorooctane 82.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.1 % 46.3-178

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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: 01/03/2023  
 Reported: 01/09/2023  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 01/03/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FS - 38 0-.25' (H230020-38)**

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	01/05/2023	ND	2.14	107	2.00	0.983	
Toluene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	2.22	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.20	110	2.00	2.76	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.67	111	6.00	3.48	
Total BTEX	<0.300	0.300	01/05/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9000	16.0	01/05/2023	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	01/05/2023	ND	200	99.9	200	1.67	
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	196	97.9	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 86.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.3 % 46.3-178

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 39 0-.25' (H230020-39)**

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	01/05/2023	ND	2.14	107	2.00	0.983	
Toluene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	2.22	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.20	110	2.00	2.76	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.67	111	6.00	3.48	
Total BTEX	<0.300	0.300	01/05/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10000	16.0	01/05/2023	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	01/05/2023	ND	200	99.9	200	1.67	
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	196	97.9	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 82.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.7 % 46.3-178

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 40 0-.25' (H230020-40)**

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	01/05/2023	ND	2.14	107	2.00	0.983	
Toluene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	2.22	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.20	110	2.00	2.76	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.67	111	6.00	3.48	
Total BTEX	<0.300	0.300	01/05/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>13000</b>	16.0	01/05/2023	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	01/05/2023	ND	200	99.9	200	1.67	
<b>DRO &gt;C10-C28*</b>	<b>12.7</b>	10.0	01/05/2023	ND	196	97.9	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 73.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.1 % 46.3-178

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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:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 41 0-.25' (H230020-41)**

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	01/05/2023	ND	2.14	107	2.00	0.983	
Toluene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	2.22	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.20	110	2.00	2.76	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.67	111	6.00	3.48	
Total BTEX	<0.300	0.300	01/05/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5200	16.0	01/05/2023	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	01/05/2023	ND	200	99.9	200	1.67	
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	196	97.9	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 82.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.5 % 46.3-178

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 42 0-.25' (H230020-42)**

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	01/05/2023	ND	2.14	107	2.00	0.983	
Toluene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	2.22	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.20	110	2.00	2.76	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.67	111	6.00	3.48	
Total BTEX	<0.300	0.300	01/05/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>9600</b>	16.0	01/05/2023	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	01/05/2023	ND	200	99.9	200	1.67	
<b>DRO &gt;C10-C28*</b>	<b>20.3</b>	10.0	01/05/2023	ND	196	97.9	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 87.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.7 % 46.3-178

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 43 0-.25' (H230020-43)**

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	01/05/2023	ND	2.14	107	2.00	0.983	
Toluene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	2.22	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.20	110	2.00	2.76	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.67	111	6.00	3.48	
Total BTEX	<0.300	0.300	01/05/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7200	16.0	01/05/2023	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	01/05/2023	ND	200	99.9	200	1.67	
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	196	97.9	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 91.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.8 % 46.3-178

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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:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 44 0-.25' (H230020-44)**

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	01/05/2023	ND	2.14	107	2.00	0.983	
Toluene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	2.22	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.20	110	2.00	2.76	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.67	111	6.00	3.48	
Total BTEX	<0.300	0.300	01/05/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>10200</b>	16.0	01/05/2023	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	01/05/2023	ND	200	99.9	200	1.67	
<b>DRO &gt;C10-C28*</b>	<b>17.1</b>	10.0	01/05/2023	ND	196	97.9	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 95.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 45 0-.25' (H230020-45)**

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	01/05/2023	ND	2.14	107	2.00	0.983	
Toluene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	2.22	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.20	110	2.00	2.76	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.67	111	6.00	3.48	
Total BTEX	<0.300	0.300	01/05/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11000	16.0	01/05/2023	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	01/05/2023	ND	200	99.9	200	1.67	
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	196	97.9	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 88.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.0 % 46.3-178

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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: 01/03/2023  
 Reported: 01/09/2023  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 01/03/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FS - 46 0-.25' (H230020-46)**

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	01/05/2023	ND	2.14	107	2.00	0.983	
Toluene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	2.22	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.20	110	2.00	2.76	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.67	111	6.00	3.48	
Total BTEX	<0.300	0.300	01/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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
<b>Chloride</b>	<b>224</b>	16.0	01/05/2023	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	01/05/2023	ND	200	99.9	200	1.67	
<b>DRO &gt;C10-C28*</b>	<b>17.3</b>	10.0	01/05/2023	ND	196	97.9	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 89.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.2 % 46.3-178

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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: 01/03/2023  
 Reported: 01/09/2023  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 01/03/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FS - 47 0-.25' (H230020-47)**

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	01/05/2023	ND	2.14	107	2.00	0.983	
Toluene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	2.22	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.20	110	2.00	2.76	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.67	111	6.00	3.48	
Total BTEX	<0.300	0.300	01/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	3280	16.0	01/05/2023	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	01/05/2023	ND	200	99.9	200	1.67	
DRO >C10-C28*	99.9	10.0	01/05/2023	ND	196	97.9	200	3.99	
EXT DRO >C28-C36	13.5	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 82.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.1 % 46.3-178

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 48 0-.25' (H230020-48)**

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	01/05/2023	ND	2.14	107	2.00	0.983	
Toluene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	2.22	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.20	110	2.00	2.76	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.67	111	6.00	3.48	
Total BTEX	<0.300	0.300	01/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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>8800</b>	16.0	01/05/2023	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	01/05/2023	ND	200	99.9	200	1.67	
<b>DRO &gt;C10-C28*</b>	<b>162</b>	10.0	01/05/2023	ND	196	97.9	200	3.99	
<b>EXT DRO &gt;C28-C36</b>	<b>23.8</b>	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 94.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 112 % 46.3-178

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 49 0-.25' (H230020-49)**

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	01/05/2023	ND	2.14	107	2.00	0.983	
Toluene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	2.22	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.20	110	2.00	2.76	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.67	111	6.00	3.48	
Total BTEX	<0.300	0.300	01/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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
<b>Chloride</b>	<b>7730</b>	16.0	01/05/2023	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	01/05/2023	ND	212	106	200	1.21	
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	200	99.9	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 84.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.2 % 46.3-178

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 50 0-.25' (H230020-50)**

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	01/05/2023	ND	2.14	107	2.00	0.983		
Toluene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	2.22		
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.20	110	2.00	2.76		
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.67	111	6.00	3.48		
Total BTEX	<0.300	0.300	01/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	
<b>Chloride</b>	<b>5330</b>	16.0	01/05/2023	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	01/05/2023	ND	212	106	200	1.21		
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	200	99.9	200	10.8		
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND						

Surrogate: 1-Chlorooctane 82.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.2 % 46.3-178

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**Analytical Results For:**

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

Received: 01/03/2023  
 Reported: 01/09/2023  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 01/03/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FS - 51 0-.25' (H230020-51)**

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	01/05/2023	ND	2.14	107	2.00	0.983	
Toluene*	<0.050	0.050	01/05/2023	ND	2.19	110	2.00	2.22	
Ethylbenzene*	<0.050	0.050	01/05/2023	ND	2.20	110	2.00	2.76	
Total Xylenes*	<0.150	0.150	01/05/2023	ND	6.67	111	6.00	3.48	
Total BTEX	<0.300	0.300	01/05/2023	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	9600	16.0	01/05/2023	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	01/05/2023	ND	212	106	200	1.21	
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	200	99.9	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 82.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.4 % 46.3-178

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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: 01/03/2023  
 Reported: 01/09/2023  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 01/03/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FS - 52 0-.25' (H230020-52)**

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	01/06/2023	ND	2.12	106	2.00	1.12	
Toluene*	<0.050	0.050	01/06/2023	ND	2.15	107	2.00	0.967	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.12	106	2.00	0.858	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.31	105	6.00	2.34	
Total BTEX	<0.300	0.300	01/06/2023	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
<b>Chloride</b>	<b>4130</b>	16.0	01/05/2023	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	01/05/2023	ND	212	106	200	1.21	
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	200	99.9	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 67.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 68.4 % 46.3-178

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**Analytical Results For:**

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

Received: 01/03/2023  
 Reported: 01/09/2023  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 01/03/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FS - 53 0-.25' (H230020-53)**

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	01/06/2023	ND	2.12	106	2.00	1.12		
Toluene*	<0.050	0.050	01/06/2023	ND	2.15	107	2.00	0.967		
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.12	106	2.00	0.858		
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.31	105	6.00	2.34		
Total BTEX	<0.300	0.300	01/06/2023	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	
<b>Chloride</b>	<b>7600</b>	16.0	01/05/2023	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	01/05/2023	ND	212	106	200	1.21		
<b>DRO &gt;C10-C28*</b>	<b>20.6</b>	10.0	01/05/2023	ND	200	99.9	200	10.8		
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND						

Surrogate: 1-Chlorooctane 81.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.1 % 46.3-178

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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:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 54 0-.25' (H230020-54)**

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	01/06/2023	ND	2.12	106	2.00	1.12	
Toluene*	<0.050	0.050	01/06/2023	ND	2.15	107	2.00	0.967	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.12	106	2.00	0.858	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.31	105	6.00	2.34	
Total BTEX	<0.300	0.300	01/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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
<b>Chloride</b>	<b>7280</b>	16.0	01/05/2023	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	01/05/2023	ND	212	106	200	1.21	
<b>DRO &gt;C10-C28*</b>	<b>24.3</b>	10.0	01/05/2023	ND	200	99.9	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 86.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.9 % 46.3-178

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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:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 55 0-.25' (H230020-55)**

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	01/06/2023	ND	2.12	106	2.00	1.12	
Toluene*	<0.050	0.050	01/06/2023	ND	2.15	107	2.00	0.967	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.12	106	2.00	0.858	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.31	105	6.00	2.34	
Total BTEX	<0.300	0.300	01/06/2023	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
<b>Chloride</b>	<b>14600</b>	16.0	01/05/2023	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	01/05/2023	ND	212	106	200	1.21	
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	200	99.9	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 74.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 74.8 % 46.3-178

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 56 0-.25' (H230020-56)**

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	01/06/2023	ND	2.12	106	2.00	1.12	
Toluene*	<0.050	0.050	01/06/2023	ND	2.15	107	2.00	0.967	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.12	106	2.00	0.858	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.31	105	6.00	2.34	
Total BTEX	<0.300	0.300	01/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	19600	16.0	01/05/2023	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	01/05/2023	ND	212	106	200	1.21	
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	200	99.9	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 83.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.9 % 46.3-178

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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: 01/03/2023  
 Reported: 01/09/2023  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 01/03/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FS - 57 0-.25' (H230020-57)**

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	01/06/2023	ND	2.12	106	2.00	1.12	
Toluene*	<0.050	0.050	01/06/2023	ND	2.15	107	2.00	0.967	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.12	106	2.00	0.858	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.31	105	6.00	2.34	
Total BTEX	<0.300	0.300	01/06/2023	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	10400	16.0	01/05/2023	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	01/05/2023	ND	212	106	200	1.21	
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	200	99.9	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 84.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.4 % 46.3-178

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**Analytical Results For:**

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

Received: 01/03/2023  
 Reported: 01/09/2023  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 01/03/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FS - 58 0-.25' (H230020-58)**

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	01/06/2023	ND	2.12	106	2.00	1.12	
Toluene*	<0.050	0.050	01/06/2023	ND	2.15	107	2.00	0.967	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.12	106	2.00	0.858	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.31	105	6.00	2.34	
Total BTEX	<0.300	0.300	01/06/2023	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	14200	16.0	01/05/2023	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	01/05/2023	ND	212	106	200	1.21	
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	200	99.9	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 88.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.8 % 46.3-178

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**Analytical Results For:**

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

Received: 01/03/2023  
 Reported: 01/09/2023  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 01/03/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FS - 59 0-.25' (H230020-59)**

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	01/06/2023	ND	2.12	106	2.00	1.12	
Toluene*	<0.050	0.050	01/06/2023	ND	2.15	107	2.00	0.967	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.12	106	2.00	0.858	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.31	105	6.00	2.34	
Total BTEX	<0.300	0.300	01/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	13800	16.0	01/05/2023	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	01/05/2023	ND	212	106	200	1.21	
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	200	99.9	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 78.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 79.6 % 46.3-178

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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: 01/03/2023  
 Reported: 01/09/2023  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 01/03/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FS - 60 0-.25' (H230020-60)**

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	01/06/2023	ND	2.12	106	2.00	1.12		
Toluene*	<0.050	0.050	01/06/2023	ND	2.15	107	2.00	0.967		
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.12	106	2.00	0.858		
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.31	105	6.00	2.34		
Total BTEX	<0.300	0.300	01/06/2023	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	1880	16.0	01/05/2023	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	01/05/2023	ND	212	106	200	1.21		
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	200	99.9	200	10.8		
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND						

Surrogate: 1-Chlorooctane 81.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.2 % 46.3-178

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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: 01/03/2023  
 Reported: 01/09/2023  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 01/03/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FS - 61 0-.25' (H230020-61)**

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	01/06/2023	ND	2.12	106	2.00	1.12	
Toluene*	<0.050	0.050	01/06/2023	ND	2.15	107	2.00	0.967	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.12	106	2.00	0.858	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.31	105	6.00	2.34	
Total BTEX	<0.300	0.300	01/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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
<b>Chloride</b>	<b>8600</b>	16.0	01/05/2023	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	01/05/2023	ND	212	106	200	1.21	
<b>DRO &gt;C10-C28*</b>	<b>14.1</b>	10.0	01/05/2023	ND	200	99.9	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 72.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 72.9 % 46.3-178

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 62 0-.25' (H230020-62)**

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	01/06/2023	ND	2.12	106	2.00	1.12	
Toluene*	<0.050	0.050	01/06/2023	ND	2.15	107	2.00	0.967	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.12	106	2.00	0.858	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.31	105	6.00	2.34	
Total BTEX	<0.300	0.300	01/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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
<b>Chloride</b>	<b>8200</b>	16.0	01/05/2023	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	01/05/2023	ND	212	106	200	1.21	
<b>DRO &gt;C10-C28*</b>	<b>23.7</b>	10.0	01/05/2023	ND	200	99.9	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 72.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 74.0 % 46.3-178

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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:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 63 0-.25' (H230020-63)**

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	01/06/2023	ND	2.12	106	2.00	1.12	
Toluene*	<0.050	0.050	01/06/2023	ND	2.15	107	2.00	0.967	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.12	106	2.00	0.858	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.31	105	6.00	2.34	
Total BTEX	<0.300	0.300	01/06/2023	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
<b>Chloride</b>	<b>15000</b>	16.0	01/05/2023	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	01/05/2023	ND	212	106	200	1.21	
<b>DRO &gt;C10-C28*</b>	<b>43.6</b>	10.0	01/05/2023	ND	200	99.9	200	10.8	
<b>EXT DRO &gt;C28-C36</b>	<b>12.5</b>	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 83.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.9 % 46.3-178

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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: 01/03/2023  
 Reported: 01/09/2023  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 01/03/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FS - 64 0-.25' (H230020-64)**

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	01/06/2023	ND	2.12	106	2.00	1.12	
Toluene*	<0.050	0.050	01/06/2023	ND	2.15	107	2.00	0.967	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.12	106	2.00	0.858	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.31	105	6.00	2.34	
Total BTEX	<0.300	0.300	01/06/2023	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	22000	16.0	01/05/2023	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	01/05/2023	ND	212	106	200	1.21	
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	200	99.9	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 85.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.5 % 46.3-178

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 65 0-.25' (H230020-65)**

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	01/06/2023	ND	2.12	106	2.00	1.12	
Toluene*	<0.050	0.050	01/06/2023	ND	2.15	107	2.00	0.967	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.12	106	2.00	0.858	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.31	105	6.00	2.34	
Total BTEX	<0.300	0.300	01/06/2023	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	21200	16.0	01/05/2023	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	01/05/2023	ND	212	106	200	1.21	
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	200	99.9	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 84.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.0 % 46.3-178

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 66 0-.25' (H230020-66)**

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	01/06/2023	ND	2.12	106	2.00	1.12	
Toluene*	<0.050	0.050	01/06/2023	ND	2.15	107	2.00	0.967	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.12	106	2.00	0.858	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.31	105	6.00	2.34	
Total BTEX	<0.300	0.300	01/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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
<b>Chloride</b>	<b>20800</b>	16.0	01/05/2023	ND	416	104	400	0.00	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	01/05/2023	ND	212	106	200	1.21	
<b>DRO &gt;C10-C28*</b>	<b>34.0</b>	10.0	01/05/2023	ND	200	99.9	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 93.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.7 % 46.3-178

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 67 0-.25' (H230020-67)**

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	01/06/2023	ND	2.12	106	2.00	1.12	
Toluene*	<0.050	0.050	01/06/2023	ND	2.15	107	2.00	0.967	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.12	106	2.00	0.858	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.31	105	6.00	2.34	
Total BTEX	<0.300	0.300	01/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	832	16.0	01/05/2023	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	01/05/2023	ND	212	106	200	1.21	
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	200	99.9	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 83.2 % 45.2-138

Surrogate: 1-Chlorooctadecane 83.2 % 47.3-151

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 68 0-.25' (H230020-68)**

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	01/06/2023	ND	2.12	106	2.00	1.12	
Toluene*	<0.050	0.050	01/06/2023	ND	2.15	107	2.00	0.967	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.12	106	2.00	0.858	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.31	105	6.00	2.34	
Total BTEX	<0.300	0.300	01/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	2400	16.0	01/05/2023	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	01/05/2023	ND	212	106	200	1.21	
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	200	99.9	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 78.7 % 45.2-138

Surrogate: 1-Chlorooctadecane 78.9 % 47.3-151

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 69 0-.25' (H230020-69)**

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	01/06/2023	ND	2.12	106	2.00	1.12	
Toluene*	<0.050	0.050	01/06/2023	ND	2.15	107	2.00	0.967	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.12	106	2.00	0.858	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.31	105	6.00	2.34	
Total BTEX	<0.300	0.300	01/06/2023	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
<b>Chloride</b>	<b>18000</b>	16.0	01/05/2023	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	01/05/2023	ND	187	93.6	200	1.89	
<b>DRO &gt;C10-C28*</b>	<b>54.0</b>	10.0	01/05/2023	ND	198	99.2	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 62.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.0 % 49.1-148

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 70 0-.25' (H230020-70)**

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	01/06/2023	ND	2.12	106	2.00	1.12		
Toluene*	<0.050	0.050	01/06/2023	ND	2.15	107	2.00	0.967		
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.12	106	2.00	0.858		
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.31	105	6.00	2.34		
Total BTEX	<0.300	0.300	01/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	
<b>Chloride</b>	<b>6800</b>	16.0	01/05/2023	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	01/05/2023	ND	187	93.6	200	1.89		
<b>DRO &gt;C10-C28*</b>	<b>10.4</b>	10.0	01/05/2023	ND	198	99.2	200	2.88		
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND						

Surrogate: 1-Chlorooctane 61.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.0 % 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:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 71 0-.25' (H230020-71)**

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	01/06/2023	ND	2.12	106	2.00	1.12	
Toluene*	<0.050	0.050	01/06/2023	ND	2.15	107	2.00	0.967	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.12	106	2.00	0.858	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.31	105	6.00	2.34	
Total BTEX	<0.300	0.300	01/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	960	16.0	01/05/2023	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	01/05/2023	ND	187	93.6	200	1.89	
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	198	99.2	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 60.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.0 % 49.1-148

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 72 0-.25' (H230020-72)**

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	01/06/2023	ND	2.02	101	2.00	1.79	
Toluene*	<0.050	0.050	01/06/2023	ND	2.19	110	2.00	2.10	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.16	108	2.00	2.29	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.64	111	6.00	1.84	
Total BTEX	<0.300	0.300	01/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 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
<b>Chloride</b>	<b>5040</b>	16.0	01/05/2023	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	01/05/2023	ND	187	93.6	200	1.89	
<b>DRO &gt;C10-C28*</b>	<b>88.5</b>	10.0	01/05/2023	ND	198	99.2	200	2.88	
<b>EXT DRO &gt;C28-C36</b>	<b>20.5</b>	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 60.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.6 % 49.1-148

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 73 0-.25' (H230020-73)**

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	01/06/2023	ND	2.02	101	2.00	1.79	
Toluene*	<0.050	0.050	01/06/2023	ND	2.19	110	2.00	2.10	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.16	108	2.00	2.29	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.64	111	6.00	1.84	
Total BTEX	<0.300	0.300	01/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 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
<b>Chloride</b>	<b>3800</b>	16.0	01/05/2023	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	01/05/2023	ND	187	93.6	200	1.89	
<b>DRO &gt;C10-C28*</b>	<b>60.0</b>	10.0	01/05/2023	ND	198	99.2	200	2.88	
<b>EXT DRO &gt;C28-C36</b>	<b>11.5</b>	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 64.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.0 % 49.1-148

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 74 0-.25' (H230020-74)**

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	01/06/2023	ND	2.02	101	2.00	1.79	
Toluene*	<0.050	0.050	01/06/2023	ND	2.19	110	2.00	2.10	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.16	108	2.00	2.29	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.64	111	6.00	1.84	
Total BTEX	<0.300	0.300	01/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 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
<b>Chloride</b>	<b>2000</b>	16.0	01/05/2023	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	01/05/2023	ND	187	93.6	200	1.89	
<b>DRO &gt;C10-C28*</b>	<b>13.0</b>	10.0	01/05/2023	ND	198	99.2	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 58.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.3 % 49.1-148

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 75 0-.25' (H230020-75)**

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	01/06/2023	ND	2.02	101	2.00	1.79	
Toluene*	<0.050	0.050	01/06/2023	ND	2.19	110	2.00	2.10	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.16	108	2.00	2.29	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.64	111	6.00	1.84	
Total BTEX	<0.300	0.300	01/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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
<b>Chloride</b>	<b>7330</b>	16.0	01/05/2023	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	01/05/2023	ND	187	93.6	200	1.89	
<b>DRO &gt;C10-C28*</b>	<b>246</b>	10.0	01/05/2023	ND	198	99.2	200	2.88	
<b>EXT DRO &gt;C28-C36</b>	<b>61.7</b>	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 63.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.9 % 49.1-148

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**Analytical Results For:**

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

Received: 01/03/2023  
 Reported: 01/09/2023  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 01/03/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FS - 76 0-.25' (H230020-76)**

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	01/06/2023	ND	2.02	101	2.00	1.79	
Toluene*	<0.050	0.050	01/06/2023	ND	2.19	110	2.00	2.10	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.16	108	2.00	2.29	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.64	111	6.00	1.84	
Total BTEX	<0.300	0.300	01/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 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
<b>Chloride</b>	<b>15400</b>	16.0	01/05/2023	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	01/05/2023	ND	187	93.6	200	1.89	
<b>DRO &gt;C10-C28*</b>	<b>54.0</b>	10.0	01/05/2023	ND	198	99.2	200	2.88	
<b>EXT DRO &gt;C28-C36</b>	<b>12.4</b>	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 49.1-148

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 77 0-.25' (H230020-77)**

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	01/06/2023	ND	2.02	101	2.00	1.79		
Toluene*	<0.050	0.050	01/06/2023	ND	2.19	110	2.00	2.10		
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.16	108	2.00	2.29		
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.64	111	6.00	1.84		
Total BTEX	<0.300	0.300	01/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 127 % 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	
<b>Chloride</b>	<b>19600</b>	16.0	01/05/2023	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	01/05/2023	ND	187	93.6	200	1.89		
<b>DRO &gt;C10-C28*</b>	<b>13.0</b>	10.0	01/05/2023	ND	198	99.2	200	2.88		
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND						

Surrogate: 1-Chlorooctane 54.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 59.5 % 49.1-148

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 78 0-.25' (H230020-78)**

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	01/06/2023	ND	2.02	101	2.00	1.79	
Toluene*	<0.050	0.050	01/06/2023	ND	2.19	110	2.00	2.10	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.16	108	2.00	2.29	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.64	111	6.00	1.84	
Total BTEX	<0.300	0.300	01/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 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
<b>Chloride</b>	<b>24000</b>	16.0	01/05/2023	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	01/05/2023	ND	187	93.6	200	1.89	
<b>DRO &gt;C10-C28*</b>	<b>39.1</b>	10.0	01/05/2023	ND	198	99.2	200	2.88	
<b>EXT DRO &gt;C28-C36</b>	<b>10.2</b>	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 56.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 61.8 % 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: 01/03/2023  
 Reported: 01/09/2023  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 01/03/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FS - 79 0-.25' (H230020-79)**

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	01/06/2023	ND	2.02	101	2.00	1.79	
Toluene*	<0.050	0.050	01/06/2023	ND	2.19	110	2.00	2.10	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.16	108	2.00	2.29	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.64	111	6.00	1.84	
Total BTEX	<0.300	0.300	01/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 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
<b>Chloride</b>	<b>22000</b>	16.0	01/05/2023	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	01/05/2023	ND	187	93.6	200	1.89	
<b>DRO &gt;C10-C28*</b>	<b>77.3</b>	10.0	01/05/2023	ND	198	99.2	200	2.88	
<b>EXT DRO &gt;C28-C36</b>	<b>17.4</b>	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 54.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.6 % 49.1-148

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 80 0-.25' (H230020-80)**

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	01/06/2023	ND	2.02	101	2.00	1.79	
Toluene*	<0.050	0.050	01/06/2023	ND	2.19	110	2.00	2.10	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.16	108	2.00	2.29	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.64	111	6.00	1.84	
Total BTEX	<0.300	0.300	01/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 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
<b>Chloride</b>	<b>3680</b>	16.0	01/05/2023	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	01/05/2023	ND	187	93.6	200	1.89	
<b>DRO &gt;C10-C28*</b>	<b>28.1</b>	10.0	01/05/2023	ND	198	99.2	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 69.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.6 % 49.1-148

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**Analytical Results For:**

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

Received: 01/03/2023  
 Reported: 01/09/2023  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 01/03/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FS - 81 0-.25' (H230020-81)**

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	01/06/2023	ND	2.02	101	2.00	1.79		
Toluene*	<0.050	0.050	01/06/2023	ND	2.19	110	2.00	2.10		
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.16	108	2.00	2.29		
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.64	111	6.00	1.84		
Total BTEX	<0.300	0.300	01/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 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>31600</b>	16.0	01/05/2023	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	01/06/2023	ND	187	93.6	200	1.89		
<b>DRO &gt;C10-C28*</b>	<b>97.0</b>	10.0	01/06/2023	ND	198	99.2	200	2.88		
<b>EXT DRO &gt;C28-C36</b>	<b>25.9</b>	10.0	01/06/2023	ND						

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 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:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 82 0-.25' (H230020-82)**

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	01/06/2023	ND	2.02	101	2.00	1.79	
Toluene*	<0.050	0.050	01/06/2023	ND	2.19	110	2.00	2.10	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.16	108	2.00	2.29	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.64	111	6.00	1.84	
Total BTEX	<0.300	0.300	01/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 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>21200</b>	16.0	01/05/2023	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	01/06/2023	ND	187	93.6	200	1.89	
<b>DRO &gt;C10-C28*</b>	<b>56.8</b>	10.0	01/06/2023	ND	198	99.2	200	2.88	
<b>EXT DRO &gt;C28-C36</b>	<b>13.8</b>	10.0	01/06/2023	ND					

Surrogate: 1-Chlorooctane 69.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.6 % 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: 01/03/2023  
 Reported: 01/09/2023  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 01/03/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FS - 83 0-.25' (H230020-83)**

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	01/06/2023	ND	2.02	101	2.00	1.79	
Toluene*	<0.050	0.050	01/06/2023	ND	2.19	110	2.00	2.10	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.16	108	2.00	2.29	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.64	111	6.00	1.84	
Total BTEX	<0.300	0.300	01/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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>12600</b>	16.0	01/05/2023	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	01/05/2023	ND	187	93.6	200	1.89	
<b>DRO &gt;C10-C28*</b>	<b>160</b>	10.0	01/05/2023	ND	198	99.2	200	2.88	
<b>EXT DRO &gt;C28-C36</b>	<b>55.0</b>	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 66.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.2 % 49.1-148

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**Analytical Results For:**

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

Received: 01/03/2023  
 Reported: 01/09/2023  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 01/03/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FS - 84 0-.25' (H230020-84)**

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	01/06/2023	ND	2.02	101	2.00	1.79		
Toluene*	<0.050	0.050	01/06/2023	ND	2.19	110	2.00	2.10		
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.16	108	2.00	2.29		
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.64	111	6.00	1.84		
Total BTEX	<0.300	0.300	01/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 127 % 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>8400</b>	16.0	01/05/2023	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	01/05/2023	ND	187	93.6	200	1.89		
<b>DRO &gt;C10-C28*</b>	<b>163</b>	10.0	01/05/2023	ND	198	99.2	200	2.88		
<b>EXT DRO &gt;C28-C36</b>	<b>40.5</b>	10.0	01/05/2023	ND						

Surrogate: 1-Chlorooctane 67.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.0 % 49.1-148

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**Analytical Results For:**

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

Received:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 85 0-.25' (H230020-85)**

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	01/06/2023	ND	2.02	101	2.00	1.79	
Toluene*	<0.050	0.050	01/06/2023	ND	2.19	110	2.00	2.10	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.16	108	2.00	2.29	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.64	111	6.00	1.84	
Total BTEX	<0.300	0.300	01/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 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
<b>Chloride</b>	<b>5840</b>	16.0	01/05/2023	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	01/05/2023	ND	187	93.6	200	1.89	
<b>DRO &gt;C10-C28*</b>	<b>12.3</b>	10.0	01/05/2023	ND	198	99.2	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 64.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.3 % 49.1-148

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**Analytical Results For:**

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

Received: 01/03/2023  
 Reported: 01/09/2023  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 01/03/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FS - 86 0-.25' (H230020-86)**

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	01/06/2023	ND	2.02	101	2.00	1.79		
Toluene*	<0.050	0.050	01/06/2023	ND	2.19	110	2.00	2.10		
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.16	108	2.00	2.29		
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.64	111	6.00	1.84		
Total BTEX	<0.300	0.300	01/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 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	
<b>Chloride</b>	<b>1090</b>	16.0	01/05/2023	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	01/05/2023	ND	187	93.6	200	1.89		
<b>DRO &gt;C10-C28*</b>	<b>15.3</b>	10.0	01/05/2023	ND	198	99.2	200	2.88		
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND						

Surrogate: 1-Chlorooctane 63.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.6 % 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: 01/03/2023  
 Reported: 01/09/2023  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 01/03/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FS - 87 0-.25' (H230020-87)**

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	01/06/2023	ND	2.02	101	2.00	1.79		
Toluene*	<0.050	0.050	01/06/2023	ND	2.19	110	2.00	2.10		
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.16	108	2.00	2.29		
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.64	111	6.00	1.84		
Total BTEX	<0.300	0.300	01/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 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	64.0	16.0	01/05/2023	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	01/05/2023	ND	187	93.6	200	1.89		
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	198	99.2	200	2.88		
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND						

Surrogate: 1-Chlorooctane 73.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.1 % 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:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 88 0-.25' (H230020-88)**

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	01/06/2023	ND	2.02	101	2.00	1.79	
Toluene*	<0.050	0.050	01/06/2023	ND	2.19	110	2.00	2.10	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.16	108	2.00	2.29	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.64	111	6.00	1.84	
Total BTEX	<0.300	0.300	01/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 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	48.0	16.0	01/05/2023	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	01/05/2023	ND	187	93.6	200	1.89	
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	198	99.2	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 65.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.6 % 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:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 89 0-.25' (H230020-89)**

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	01/06/2023	ND	2.02	101	2.00	1.79		
Toluene*	<0.050	0.050	01/06/2023	ND	2.19	110	2.00	2.10		
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.16	108	2.00	2.29		
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.64	111	6.00	1.84		
Total BTEX	<0.300	0.300	01/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 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	80.0	16.0	01/05/2023	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	01/05/2023	ND	209	105	200	3.50		
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	180	89.8	200	4.91		
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND						

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 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: 01/03/2023  
 Reported: 01/09/2023  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 01/03/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FS - 90 0-.25' (H230020-90)**

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	01/06/2023	ND	2.02	101	2.00	1.79	
Toluene*	<0.050	0.050	01/06/2023	ND	2.19	110	2.00	2.10	
Ethylbenzene*	<0.050	0.050	01/06/2023	ND	2.16	108	2.00	2.29	
Total Xylenes*	<0.150	0.150	01/06/2023	ND	6.64	111	6.00	1.84	
Total BTEX	<0.300	0.300	01/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 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	48.0	16.0	01/05/2023	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	01/05/2023	ND	209	105	200	3.50	
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	180	89.8	200	4.91	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 78.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.0 % 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:	01/03/2023	Sampling Date:	01/03/2023
Reported:	01/09/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	** (See Notes)
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 91 0-.25' (H230020-91)**

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	01/07/2023	ND	1.99	99.7	2.00	4.35	
Toluene*	<0.050	0.050	01/07/2023	ND	2.17	109	2.00	4.02	
Ethylbenzene*	<0.050	0.050	01/07/2023	ND	2.14	107	2.00	4.22	
Total Xylenes*	<0.150	0.150	01/07/2023	ND	6.62	110	6.00	4.65	
Total BTEX	<0.300	0.300	01/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 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
<b>Chloride</b>	<b>32.0</b>	16.0	01/05/2023	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	01/05/2023	ND	209	105	200	3.50	
<b>DRO &gt;C10-C28*</b>	<b>20.0</b>	10.0	01/05/2023	ND	180	89.8	200	4.91	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 80.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.5 % 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: 01/03/2023  
 Reported: 01/09/2023  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 01/03/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FS - 92 0-.25' (H230020-92)**

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	01/07/2023	ND	1.99	99.7	2.00	4.35	
Toluene*	<0.050	0.050	01/07/2023	ND	2.17	109	2.00	4.02	
Ethylbenzene*	<0.050	0.050	01/07/2023	ND	2.14	107	2.00	4.22	
Total Xylenes*	<0.150	0.150	01/07/2023	ND	6.62	110	6.00	4.65	
Total BTEX	<0.300	0.300	01/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 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	01/05/2023	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	01/05/2023	ND	209	105	200	3.50	
DRO >C10-C28*	<10.0	10.0	01/05/2023	ND	180	89.8	200	4.91	
EXT DRO >C28-C36	<10.0	10.0	01/05/2023	ND					

Surrogate: 1-Chlorooctane 96.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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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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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager





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

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

20810

Company Name: Ensolum, LLC **BILL TO** ANALYSIS REQUEST

Project Manager: Beaux Jennings P.O. #:

Address: 601 N Marientfeld Street, Suite 400 Company: Oxy USA Inc.

City: Midland State: TX Zip: 79701 Attn: Wade Dittrich

Phone #: 210-219-8858 Fax #: Address:

Project #: 0381917063 Project Owner: OXY City:

Project Name: Lost Jack 18 State: Zip:

Project Location: Eddy County NM Phone #: 575-390-2828

Sampler Name: Shane D.H. Fax #:

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	REMARKS
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:			
H230020	F5-11	0-25	C	1								1-3-23	1312	TPH 805 M
	F5-12	0-25	C	1								1-3-23	1313	BTEX 80215
	F5-13	0-25	C	1	X							1-3-23	1314	Chloride 4500
	F5-14	0-25	C	1	X							1-3-23	1315	
	F5-15	0-25	C	1	X							1-3-23	1317	
	F5-16	0-25	C	1	X							1-3-23	1318	
	F5-17	0-25	C	1	X							1-3-23	1319	
	F5-18	0-25	C	1	X							1-3-23	1320	
	F5-19	0-25	C	1	X							1-3-23	1321	
	F5-20	0-25	C	1	X							1-3-23	1325	

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Relinquished By: [Signature] Date: 5-3-23 Received By: [Signature] Date: 5-3-23  
 Time: 10:20

Delivered By: (Circle One) Observed Temp. °C: 16.1 Sample Condition: Cool Intact  Yes  No  
 Corrected Temp. °C: 15.5

Turnaround Time: Standard  Rush   
 Bacteria (only) Sample Condition: Cool Intact  Yes  No  
 Corrected Temp. °C: [ ]

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



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

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

30910

Company Name: Ensolum, LLC  
 Project Manager: Beaux Jennings  
 Address: 601 N Marlenfeld Street, Suite 400  
 City: Midland State: TX Zip: 79701  
 Phone #: 210-219-8858 Fax #: 210-219-8858  
 Project #: 0381417063 Project Owner: OKY  
 Project Name: Last Tank 18  
 Project Location: Eddy Co. NM  
 Sampler Name: Steve D. Hill  
 P.O. #: Company: Oxy USA Inc.  
 Attn: Wade Ditrach  
 Address: City: State: Zip: Phone #: 575-390-2828  
 Fax #: **BILL TO** ANALYSIS REQUEST

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH	BTEX	Chlorides
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H230020	21	0 - .25	C	1	X						1-3-23	1324	X	X	X
	22	0 - .25	C	1	X						1-3-23	1325	X	X	X
	23	0 - .25	C	1	X						1-3-23	1326	X	X	X
	24	0 - .25	C	1	X						1-3-23	1327	X	X	X
	25	0 - .25	C	1	X						1-3-23	1329	X	X	X
	26	0 - .25	C	1	X						1-3-23	1330	X	X	X
	27	0 - .25	C	1	X						1-3-23	1331	X	X	X
	28	0 - .25	C	1	X						1-3-23	1332	X	X	X
	29	0 - .25	C	1	X						1-3-23	1333	X	X	X
	30	0 - .25	C	1	X						1-3-23	1335	X	X	X

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Relinquished By: *[Signature]* Date: 1-3-23 Received By: *[Signature]* Date: 1-3-23  
 Relinquished By: *[Signature]* Date: 1-3-23 Received By: *[Signature]* Date: 1-3-23

Delivered By: (Circle One) Observed Temp. °C: 16.1 Sample Condition: Cool Intact  Yes  No  
 Sampler - UPS - Bus - Other: Corrected Temp. °C: 15.5 Cool Intact  Yes  No  
 CHECKED BY: (Initials) *[Signature]*  
 Turnaround Time: Standard  Rush   
 Bacteria (only)  Sample Condition: Cool Intact  Yes  No  
 Corrected Temp. °C:  Yes  No

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



101 East Marland, Hobbs, NM 88240  
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**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

490510

Company Name: Ensolum, LLC  
 Project Manager: Beaux Jennings  
 Address: 601 N Marlenfeld Street, Suite 400  
 City: Midland State: TX Zip: 79701  
 Phone #: 210-219-8858 Fax #: 210-219-8858  
 Project #: 838412063 Project Owner: Oxy  
 Project Name: 657 Tank 18  
 Project Location: Eddy Co Perm  
 Sampler Name: Steve Diller  
 P.O. #: Company: Oxy USA Inc.  
 Attn: Wade Dittich  
 Address: City: State: Zip: Phone #: 575-390-2828 Fax #:

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							PRESERV.		DATE	TIME	ANALYSIS REQUEST					
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :								
H230020	F5-31	0-1.25	C	1	X									1-3-23	1336	X	X	X	TPH 8015 m	BTEX 80216	Chlorides 4500
	F5-32	0-1.25	C	1	X									1-3-23	1352	X	X	X			
	F5-33	0-1.25	C	1	X									1-3-23	1358	X	X	X			
	F5-34	0-1.25	C	1	X									1-3-23	1339	X	X	X			
	F5-35	0-1.25	C	1	X									1-3-23	1341	X	X	X			
	F5-36	0-1.25	C	1	X									1-3-23	1342	X	X	X			
	F5-37	0-1.25	C	1	X									1-3-23	1343	X	X	X			
	F5-38	0-1.25	C	1	X									1-3-23	1344	X	X	X			
	F5-39	0-1.25	C	1	X									1-3-23	1345	X	X	X			
	F5-40	0-1.25	C	1	X									1-3-23	1346	X	X	X			

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Relinquished By: [Signature]  
 Date: 1-3-23  
 Received By: [Signature]  
 Date: 1-3-23  
 Time: 10:20  
 Delivered By: (Circle One) Oxy  Temp. °C 16.1  
 Sample Condition Cool  Intact  Yes  No  Yes  No  
 Checked By: (Initials) AD  
 Turnaround Time: Standard  Rush   
 Thermometer ID #113 Corrosion Factor -0.5°C  
 Bacteria (only)  Sample Condition Cool  Intact  Yes  No  Yes  No  
 Corrected Temp. °C

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

50510

Company Name: Ensolum, LLC **BILL TO** ANALYSIS REQUEST

Project Manager: Beaux Jennings P.O. #:

Address: 601 N Marlenfeld Street, Suite 400 Company: Oxy USA Inc.

City: Midland State: TX Zip: 79701 Attn: Wade Ditrach

Phone #: 210-219-8858 Fax #: Address:

Project #: 0381412063 Project Owner: OXY City:

Project Name: East Tank 18 State: Zip:

Project Location: Eddy County NM Phone #: 575-390-2828

Sampler Name: Eddy D. Hill Fax #:

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	REMARKS
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:			
H230025	41	FS-41	0-.25	C								1-3-23	1347	TPH 8015M
	42	FS-42	0-.25	C	X							1-3-23	1348	BTF 80216
	43	FS-43	0-.25	C	X							1-3-23	1349	
	44	FS-44	0-.25	C	X							1-3-23	1350	
	45	FS-45	0-.25	C	X							1-3-23	1352	
	46	FS-46	0-.25	C	X							1-3-23	1353	
	47	FS-47	0-.25	C	X							1-3-23	1354	
	48	FS-48	0-.25	C	X							1-3-23	1355	
	49	FS-49	0-.25	C	X							1-3-23	1356	
	50	FS-50	0-.25	C	X							1-3-23	1359	

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Relinquished By: [Signature] Date: 3-23 Time: 1620 Received By: [Signature] Date: 3-23 Time: [Blank]

Delivered By: (Circle One) Sampler - UPS - Bus - Other: Observed Temp. °C: 16.1 Corrected Temp. °C: 15.5

Sample Condition: Cool Intact Yes [X] No [ ] Bacteria (only) Sample Condition: Cool Intact Yes [X] No [ ]

Checked By: [Signature] Turnaround Time: Standard Rush [X] Bacteria (only) Sample Condition: Cool Intact Yes [X] No [ ]

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

60910

Company Name: Ensolum, LLC  
 Project Manager: Beaux Jennings  
 Address: 601 N Marlenfeld Street, Suite 400  
 City: Midland State: TX Zip: 79701  
 Phone #: 210-219-8858 Fax #:   
 Project #: 038141063 Project Owner: OXY  
 Project Name: East Tank 18  
 Project Location: Eddy Co NM  
 Sampler Name: Shawn Diller  
 P.O. #:   
 Company: Oxy USA Inc.  
 Attn: Wade Dittrich  
 Address:   
 City:   
 State: Zip:   
 Phone #: 575-390-2828  
 Fax #:   
**BILL TO**  
**ANALYSIS REQUEST**

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	TPH	BTEX	Chlorides
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
H230020	FS-51	0-25	C	1	X							1-3-23	1359	X	X	X
	FS-52	0-25	C	1	X							1-3-23	1400	X	X	X
	FS-53	0-25	C	1	X							1-3-23	1401	X	X	X
	FS-54	0-25	C	1	X							1-3-23	1402	X	X	X
	FS-55	0-25	C	1	X							1-3-23	1404	X	X	X
	FS-56	0-25	C	1	X							1-3-23	1405	X	X	X
	FS-57	0-25	C	1	X							1-3-23	1406	X	X	X
	FS-58	0-25	C	1	X							1-3-23	1407	X	X	X
	FS-59	0-25	C	1	X							1-3-23	1408	X	X	X
	FS-60	0-25	C	1	X							1-3-23	1410	X	X	X

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Relinquished By: *[Signature]* Date: 1-3-23 Received By: *[Signature]* Date: 1-3-23  
 Verbal Result:  Yes  No Add'l Phone #:   
 All Results are emailed. Please provide Email address:   
 REMARKS:   
 Delivered By: (Circle One)  UPS  Bus  Other:   
 Observed Temp. °C: 16.1 Sample Condition:  Cool  Intact  Yes  No   
 Corrected Temp. °C: 15.5  Yes  No   
 CHECKED BY: (Initials) *[Signature]*  
 Turnaround Time: Standard  Rush   
 Thermometer ID #113 Bacteria (only)  Sample Condition  Cool  Intact  Yes  No   
 Corrosion Factor: -0.5°C  Yes  No  Corrected Temp. °C:   
 Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

70910

Company Name: Ensolum, LLC  
 Project Manager: Beaux Jennings  
 Address: 601 N Marlenfeld Street, Suite 400  
 City: Midland State: TX Zip: 79701  
 Phone #: 210-219-8858 Fax #: 210-219-8858  
 Project #: 0381417063 Project Owner: East Tank 18  
 Project Name: East Tank 18  
 Project Location: Eddy Co Nm  
 Sampler Name: Shea Diller  
 P.O. #: **BILL TO**  
 Company: Oxy USA Inc.  
 Attn: Wade Ditrach  
 Address:  
 City:  
 State: Zip:  
 Phone #: 575-390-2828  
 Fax #:

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERVY		DATE	TIME	ANALYSIS REQUEST		
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL			OTHER :	TPH	BTEX
H230020	61	FS-61	C	1								1-3-23	1411	X	X	X	
	62	FS-62	C	1	X							1-3-23	1412	X	X	X	
	63	FS-63	C	1	X							1-3-23	1413	X	X	X	
	64	FS-64	C	1	X							1-3-23	1414	X	X	X	
	65	FS-65	C	1	X							1-3-23	1416	X	X	X	
	66	FS-66	C	1	X							1-3-23	1419	X	X	X	
	67	FS-67	C	1	X							1-3-23	1414	X	X	X	
	68	FS-68	C	1	X							1-3-23	1419	X	X	X	
	69	FS-69	C	1	X							1-3-23	1420	X	X	X	
	70	FS-70	C	1	X							1-3-23	1422	X	X	X	

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Relinquished By: *[Signature]*  
 Date: 1-3-23  
 Time: 1620  
 Received By: *[Signature]*  
 Date: 1-3-23  
 Time: 1620  
 Verbal Result:  Yes  No  Add'l Phone #:  
 All Results are emailed. Please provide Email address:  
 REMARKS:

Delivered By: (Circle One)  UPS  Bus  Other:  
 Observed Temp. °C: 16.1  
 Corrected Temp. °C: 15.5  
 Sample Condition: Cool  Intact  Yes  No  Yes  No  
 CHECKED BY: *[Signature]*  
 Turnaround Time: Standard  Rush   
 Thermometer ID #113  
 Corrosion Factor -0.5°C  
 Bacteria (only) Sample Condition: Cool  Intact  Yes  No  Yes  No  
 Corrected Temp. °C



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

8 of 10

Company Name: Ersolum, LLC  
 Project Manager: Beaux Jennings  
 Address: 601 N Marlenfeld Street, Suite 400  
 City: Midland State: TX Zip: 79701  
 Phone #: 210-219-8858 Fax #: 210-219-8858  
 Project #: 6381417063 Project Owner: East Tank 18  
 Project Name: East Tank 18  
 Project Location: Eddy Co NM  
 Sampler Name: Shaver Diller  
 FOR LAB USE ONLY

**BILL TO**  
 P.O. #: Company: Oxy USA Inc.  
 Attn: Wade Ditrach  
 Address: City: State: Zip: Phone #: 575-390-2828  
 Fax #:

**ANALYSIS REQUEST**

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH 8015M	BTEX 80216	Chlorides 4500
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H230020	FS-71	0-25	C	1							1-3-23	1423	X	X	X
	FS-72	0-25	C	1	X						1-3-23	1424	X	X	X
	FS-73	0-25	C	1	X						1-3-23	1425	X	X	X
	FS-74	0-25	C	1	X						1-3-23	1426	X	X	X
	FS-75	0-25	C	1	X						1-3-23	1429	X	X	X
	FS-76	0-25	C	1	X						1-3-23	1430	X	X	X
	FS-77	0-25	C	1	X						1-3-23	1431	X	X	X
	FS-78	0-25	C	1	X						1-3-23	1432	X	X	X
	FS-79	0-25	C	1	X						1-3-23	1432	X	X	X
	FS-80	0-25	C	1	X						1-3-23	1434	X	X	X

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Relinquished By: [Signature]  
 Date: 3-23  
 Time: 11:20  
 Received By: [Signature]  
 Date: 3-23  
 Time: 11:20

Delivered By: (Circle One) Observed Temp. °C: 14.1  
 Sampler - UPS - Bus - Other: Corrected Temp. °C: 5.5  
 Sample Condition: Cool Intact  Yes  No  
 CHECKED BY: (Initials) [Signature]  
 Turnaround Time: Standard  Rush   
 Bacteria (only) Sample Condition: Cool Intact  Yes  No  
 Corrected Temp. °C: [Blank]

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



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

Company Name: Ensolum, LLC  
 Project Manager: Beaux Jennings  
 Address: 601 N Marland Street, Suite 400  
 City: Midland State: TX Zip: 79701  
 Phone #: 210-219-8858 Fax #: Company: Oxy USA Inc.  
 Attn: Wade Dittrich  
 Project #: 0381417063 Project Owner: Address:  
 Project Name: East Tank 18 City: State: Zip:  
 Project Location: Eddy Co NM Phone #: 575-390-2828  
 Sampler Name: Shawn Dyer Fax #:

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	ANALYSIS REQUEST					
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:			ICE / COOL	OTHER :	TPH	BTEX	Chlorides	
H230020	81	0-1.25	C	1								1-3-23	1435	X	X	X			
	82	0-1.25	C	1								1-3-23	1436	X	X	X			
	83	0-1.25	C	1								1-3-23	1437	X	X	X			
	84	0-1.25	C	1								1-3-23	1438	X	X	X			
	85	0-1.25	C	1								1-3-23	1440	X	X	X			
	86	0-1.25	C	1								1-3-23	1441	X	X	X			
	87	0-1.25	C	1								1-3-23	1442	X	X	X			
	88	0-1.25	C	1								1-3-23	1443	X	X	X			
	89	0-1.25	C	1								1-3-23	1444	X	X	X			
	90	0-1.25	C	1								1-3-23	1446	X	X	X			

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Relinquished By: [Signature]  
 Date: 1-3-23  
 Time: 14:20  
 Received By: [Signature]  
 Date: 1-3-23  
 Time: 14:20

Delivered By: (Circle One) Observed Temp. °C: 16.1  
 Sampler - UPS - Bus - Other: Corrected Temp. °C: 15.5  
 Sample Condition: Cool Intact  Yes  No  
 CHECKED BY: [Signature] (Initials)  
 Turnaround Time: Standard  Rush   
 Bacteria (only) Sample Condition: Cool Intact  Yes  No  
 Corrected Temp. °C: [ ]

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March 06, 2023

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

RE: LOST TANK 18 CPF

Enclosed are the results of analyses for samples received by the laboratory on 03/01/23 15:02.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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".

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:	03/01/2023	Sampling Date:	03/01/2023
Reported:	03/06/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: FS - 64 1' (H230961-01)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1340	16.0	03/03/2023	ND	416	104	400	3.77	

**Sample ID: FS - 65 1' (H230961-02)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5360	16.0	03/03/2023	ND	416	104	400	3.77	

**Sample ID: FS - 66 1' (H230961-03)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3120	16.0	03/03/2023	ND	416	104	400	3.77	

**Sample ID: FS - 78 1' (H230961-04)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	03/03/2023	ND	416	104	400	3.77	

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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: 03/01/2023  
 Reported: 03/06/2023  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 03/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FS - 79 1' (H230961-05)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4160	16.0	03/03/2023	ND	416	104	400	3.77	

**Sample ID: FS - 81 1' (H230961-06)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2920	16.0	03/03/2023	ND	416	104	400	3.77	

**Sample ID: FS - 82 1' (H230961-07)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3640	16.0	03/03/2023	ND	416	104	400	3.77	

Cardinal Laboratories

\*=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: 03/01/2023  
 Reported: 03/06/2023  
 Project Name: LOST TANK 18 CPF  
 Project Number: 03B1417063  
 Project Location: OXY - LEA COUNTY

Sampling Date: 03/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BG - 1 (H230961-08)**

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	03/02/2023	ND	2.07	103	2.00	1.12	
Toluene*	<0.050	0.050	03/02/2023	ND	2.05	102	2.00	0.409	
Ethylbenzene*	<0.050	0.050	03/02/2023	ND	2.05	103	2.00	0.409	
Total Xylenes*	<0.150	0.150	03/02/2023	ND	6.23	104	6.00	1.89	
Total BTEX	<0.300	0.300	03/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	80.0	16.0	03/03/2023	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	03/02/2023	ND	205	103	200	7.12	
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	228	114	200	7.40	
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND					

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 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:	03/01/2023	Sampling Date:	03/01/2023
Reported:	03/06/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: BG - 2 (H230961-09)**

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	03/02/2023	ND	2.07	103	2.00	1.12	
Toluene*	<0.050	0.050	03/02/2023	ND	2.05	102	2.00	0.409	
Ethylbenzene*	<0.050	0.050	03/02/2023	ND	2.05	103	2.00	0.409	
Total Xylenes*	<0.150	0.150	03/02/2023	ND	6.23	104	6.00	1.89	
Total BTEX	<0.300	0.300	03/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	128	16.0	03/03/2023	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	03/02/2023	ND	205	103	200	7.12	
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	228	114	200	7.40	
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 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:	03/01/2023	Sampling Date:	03/01/2023
Reported:	03/06/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: BG - 3 (H230961-10)**

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	03/02/2023	ND	2.07	103	2.00	1.12	
Toluene*	<0.050	0.050	03/02/2023	ND	2.05	102	2.00	0.409	
Ethylbenzene*	<0.050	0.050	03/02/2023	ND	2.05	103	2.00	0.409	
Total Xylenes*	<0.150	0.150	03/02/2023	ND	6.23	104	6.00	1.89	
Total BTEX	<0.300	0.300	03/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	624	16.0	03/03/2023	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	03/02/2023	ND	205	103	200	7.12	
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	228	114	200	7.40	
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND					

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 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:	03/01/2023	Sampling Date:	03/01/2023
Reported:	03/06/2023	Sampling Type:	Soil
Project Name:	LOST TANK 18 CPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417063	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY		

**Sample ID: BG - 4 (H230961-11)**

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	03/02/2023	ND	2.07	103	2.00	1.12	
Toluene*	<0.050	0.050	03/02/2023	ND	2.05	102	2.00	0.409	
Ethylbenzene*	<0.050	0.050	03/02/2023	ND	2.05	103	2.00	0.409	
Total Xylenes*	<0.150	0.150	03/02/2023	ND	6.23	104	6.00	1.89	
Total BTEX	<0.300	0.300	03/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	64.0	16.0	03/03/2023	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	03/02/2023	ND	205	103	200	7.12	
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	228	114	200	7.40	
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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\*=Accredited Analyte

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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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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

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

**BILL TO**

**ANALYSIS REQUEST**

Company Name: Ensolum, LLC	P.O. #:
Project Manager: Beaux Jennings	Company: Oxy USA, Inc.
Address: 601 N. Marrenfield St. STE 400	Attn: Wade Ditrich
City: Midland	Address:
Phone #: 210-219-8858	State: TX Zip: 79701
Project #: 03B1417043	Project Owner:
Project Name: Lost Tank 18 CPP	State: Zip:
Project Location: 32.387778, -103.718333	Phone #: 575-390-2828
Sampler Name: Keller Smith	Fax #:

Lab I.D.	Sample I.D.	Sample Depth (feet)	FOR LAB USE ONLY		DATE	TIME	ANALYSIS	REMARKS
			(G)RAB OR (C)OMP.	# CONTAINERS				
H230961	FS-64	1'	X		3-1-23	1218	Chlorides 4500	
	FS-65	1'	X		3-1-23	1220	TPH 8015m	
	FS-66	1'	X		3-1-23	1222	BTEX 8021b	
	FS-78	1'	X		3-1-23	1224		
	FS-79	1'	X		3-1-23	1226		
	FS-81	1'	X		3-1-23	1229		
	FS-82	1'	X		3-1-23	1230		
	B6-1		X		3-1-23	0931		
	B6-2		X		3-1-23	0933		
	B6-3		X		3-1-23	0935		

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Relinquished By: *[Signature]* Date: 3-1-23  
 Received By: *[Signature]* Date: 3-1-23  
 Verbal Result:  Yes  No Add'l Phone #:  
 All Results are emailed. Please provide Email address:  
 Blennings@ensolum.com

Delivered By: (Circle One) Observed Temp.: 4.0 Sample Condition: Cool Intact  Yes  No  
 Corrected Temp.: 3.4  
 Turnaround Time: Standard  Rush   
 Bacteria (only) Sample Condition: Cool Intact  Yes  No  
 Corrected Temp.: 0.5C

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





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APPENDIX F

C-141

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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	nAPP2231438880
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 # nAPP2231438880
Contact mailing address: PO Box 4294, Houston, TX 77210	

### Location of Release Source

Latitude 32.387778 Longitude -103.718333  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Lost Tank 18 CPF	Site Type: Central Processing Facility
Date Release Discovered: 11/06/2022	API# (if applicable)

Unit Letter	Section	Township	Range	County
M	18	22S	32E	Lea

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 type="checkbox"/> Crude Oil	Volume Released (bbls):	Volume Recovered (bbls):
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls): 350	Volume Recovered (bbls): 188
	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: Transfer pump failure.

Incident ID	nAPP2231438880
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Release is greater than 25 barrels.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, by Wade Dittrich of Oxy via email to <a href="mailto:OCD.enviro@emnrd.nm.gov">OCD.enviro@emnrd.nm.gov</a> and <a href="mailto:BLM_NM_CFO_Spill@blm.gov">BLM_NM_CFO_Spill@blm.gov</a> on 11/09/2022 at 1009.	

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:  
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.
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.
Printed Name: <u>Wade Dittrich</u> Title: <u>Environmental Specialist</u> Signature: <u></u> Date: <u>5-17-23</u> email: <u>wade_dittrich@oxy.com</u> Telephone: <u>575-390-2828</u>

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	nAPP2231438880
District RP	
Facility ID	
Application ID	

### Site Assessment/Characterization

*This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>&gt;100</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

**Characterization Report Checklist:** *Each of the following items must be included in the report.*

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling points and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico  
Oil Conservation Division

Incident ID	nAPP2231438880
District RP	
Facility ID	
Application ID	

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.

Printed Name: Wade Dittrich

Title: Environmental Specialist

Signature: 

Date: 5-17-23

email: wade\_dittrich@oxy.com

Telephone: 575-390-2828

**OCD Only**

Received by: \_\_\_\_\_

Date: \_\_\_\_\_

Incident ID	nAPP2231438880
District RP	
Facility ID	
Application ID	

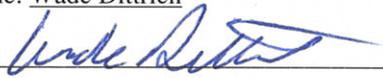
### Closure

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

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

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

Printed Name: Wade Dittrich Title: Environmental Specialist  
 Signature:  Date: 5-17-23  
 email: wade\_dittrich@oxy.com Telephone: 575-390-2828

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Michael Buchanan Date: 06/08/2023  
 Printed Name: Mike Buchanan Title: Environmental Specialist

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 217650

**CONDITIONS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 217650
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
michael.buchanan	Closure report is Approved. Please implement 19.15.29.13 NMACa. 19.15.29.13(D)(1) NMAC says "The reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division." b. This language mirrors that associated with reclamation under the Pit Rule (19.15.17.13(H)(3) NMAC), for purposes of complying with the Spill Rule (19.15.29 NMAC). The word "uncontaminated" means soils not only with a chloride concentration of less than 600 mg/kg, but also a TPH concentration of no more than 100 mg/kg, a total BTEX concentration of no more than 50 mg/kg, and a benzene concentration of no more than 10 mg/kg. These are the most protective concentrations contained in Table I of 19.15.29.12 NMAC when completing P&A.	6/8/2023