



ENSOLUM

February 3, 2023

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

Re: Remediation Work Plan
Lost Tank 18 CPF
32.387778° N, 103.718333° W
Lea County, New Mexico
Incident ID: nAPP2231438880
Ensolum Project No. 03B1417063

Dear Mr. Dittrich:

Ensolum, LLC. (Ensolum) has prepared this Remediation Work Plan to perform environmental consulting services in the vicinity of the Lost Tank 18 CPF, referred to hereinafter as the "Site." The Site is located off Red Rd and an unnamed caliche road, approximately 23 miles northeast of Malaga in Lea County, New Mexico.

I. SITE DESCRIPTION & BACKGROUND

Operator:	Oxy USA Inc. (Oxy)
Site Name:	Lost Tank 18 CPF
Location:	32.387778° N, 103.718333° W Lea County, New Mexico
Property:	Bureau of Land Management (BLM)
Regulatory:	New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

The Site is located in Unit M, Section 18, Township 22 South, Range 32 East, in Lea County, New Mexico (32.387778° N, 103.718333° W) and is associated with oil and gas exploration and production operations on BLM Federal Land.

On November 6, 2022, a release of produced water was reported from failure on a transfer pump. Approximately 350 barrels (bbls) of produced water were released with 188 bbls recovered. Oxy reported the release to the NMOCD and BLM through email notification on November 9, 2022. The release was assigned Incident Number nAPP2231438880.

On December 8, 2022, Ensolum arrived on-Site and collected a total of 20 composite pothole soil samples from five locations (PH-1 through 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 at a depth of 0.25 feet bgs to determine the horizontal and vertical extent of the release.

On January 3, 2023, Ensolum arrived on-Site and collected a total of 92 composite floor soil samples (FS-1 through FS-92), from a depth of 0 – 0.25 feet bgs, within the release area.

Based on the analytical results from the soil samples collected and the location of a water well within 0.6 miles from the Site, the New Mexico Administrative Code (NMAC) 19.15.29 *Releases* Table I: Closure Criteria for Soils Impacted by a Release (> 100 feet) values were utilized. The composite pothole soil samples, delineation composite soil samples and the composite floor soil sample results are included as **Table 1** in **Attachment D**.

The Site Map indicating the overall area of the release, the composite pothole soil sample's locations, and the delineation composite soil sample's locations are included as **Figure 3** in **Attachment A**. The composite floor soil sample locations are included as **Figure 4** in **Attachment A**.

II. CLOSURE CRITERIA

The Site is subject to regulatory oversight by the New Mexico EMNRD OCD. In order to address activities related to exempt oil and gas releases, the New Mexico EMNRD OCD references NMAC 19.15.29 *Releases*, which establishes investigation and abatement action requirements for sites subject to reporting and/or corrective action. Ensolum utilized information provided by Oxy, the general site characteristics, and information available from the New Mexico Office of the State Engineer (OSE) and the New Mexico EMNRD OCD Imaging database to determine the appropriate closure criteria for the Site. Closure criteria supporting documentation is included in **Attachment B**.

- The Site is not located within 300 feet of a New Mexico ENMRD OCD-defined continuously flowing watercourse or any other significant watercourse.
- The Site is not located within 200 feet of a lakebed, sinkhole, or playa lake.
- The Site is not located within 300 feet from an occupied permanent residence, school, hospital, institution, or church.
- According to the OSE WRSS database there are no private, domestic freshwater wells used by less than five (5) households for domestic or stock water purposes identified within 500 feet of the Site.
- According to the OSE WRSS database there are no freshwater wells identified within 1,000 feet of the Site as declared in the previous bullet.
- The Site is not located within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3.
- The Site is not located within 300 feet of a wetland.
- Based on information identified on the New Mexico Mining and Minerals Division's GIS, Maps and Mine Data database, the Site is not located within an area overlying a subsurface mine.
- Based on the Karst Occurrence Potential (.kmz) provided by the BLM, the Site is not located within an unstable area.
- The Site is not located within an area of flood hazard.

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

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

III. SCOPE OF SERVICES

A. Health and Safety Plan

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

B. Excavation Activities

The Site will be excavated by a third-party contractor to remove impacted soils in the release area based on laboratory analytical data, olfactory and/or visual evidence of impairment. Based on current analytical data taken at the Site, composite floor soil sample FS-64, FS-65, FS-66, FS-78, FS-79, FS-81 and FS-82 will be excavated down to one-foot bgs.

At this time, an estimated 50 cubic yards (cy) will be excavated from the release area. The excavated impacted soils will be placed on plastic on-Site and will be taken off-Site for proper disposal upon receipt of laboratory analytical results. The remediation will be completed within 90 days of approval from the NMOCD.

C. Confirmation Composite Soil Sampling Program

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

- Highest photoionization detector (PID) reading;
- Highest electrical conductivity reading; or
- Change in lithology.

D. Laboratory Analytical Program

The soil samples collected from the proposed confirmation floor soil samples will be analyzed for chloride utilizing Environmental Protection Agency (EPA) SW-846 Method SM4500 Cl B under the NMOCD Closure Criteria for Soils Impacted by a Release (>100 feet).

IV. REPORTING

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

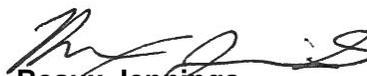
V. DELIVERABLES

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

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

Sincerely,
Ensolum, LLC


Heather Holthaus
 Senior Project Manager
hholthaus@ensolum.com


Beaux Jennings
 Senior Project Manager
bjennings@ensolum.com

Attachments:

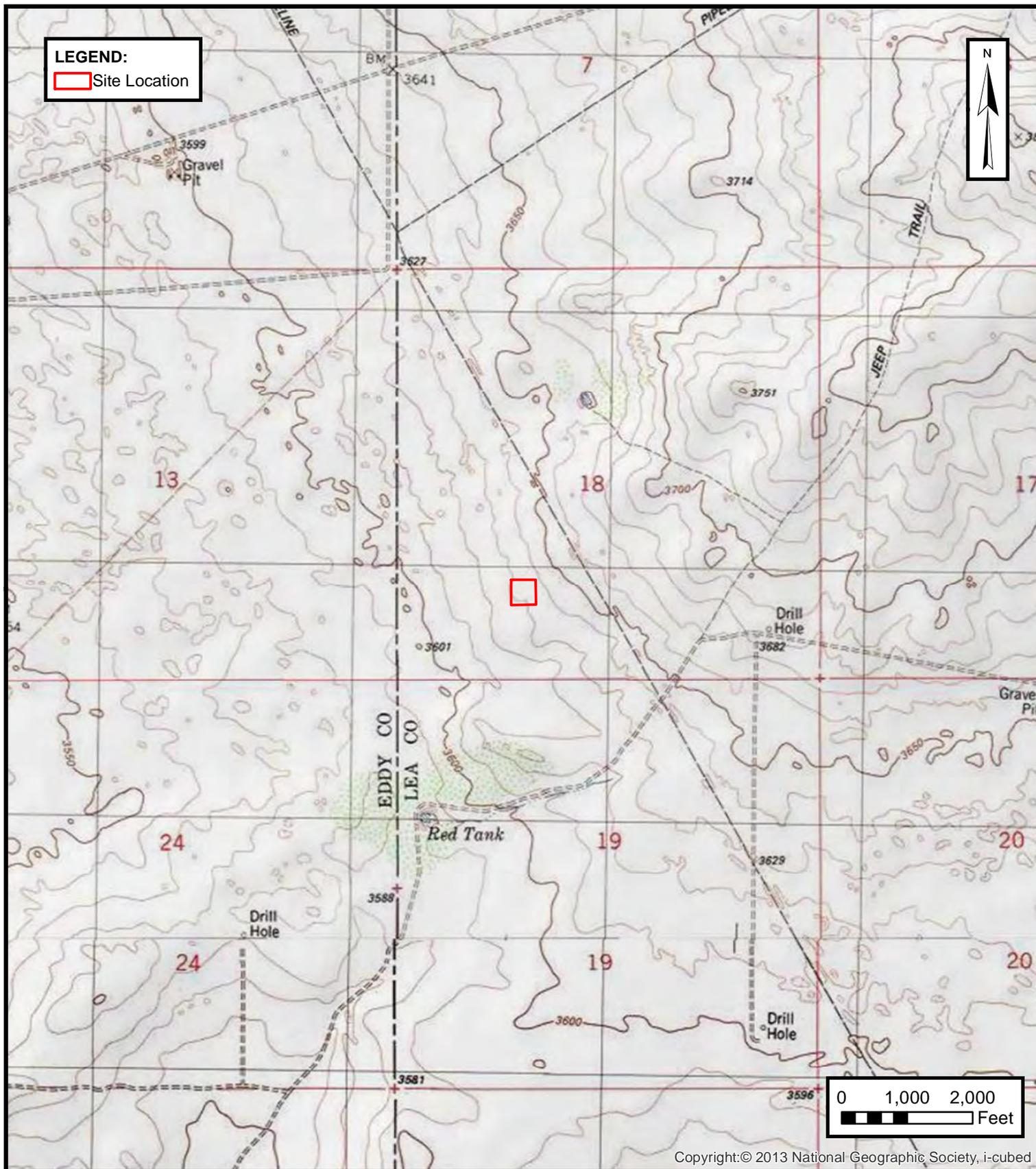
- Attachment A – Figures**
- Attachment B – Supporting Documentation**
- Attachment C – Photographic Documentation**
- Attachment D – Table 1 – Soil Sample Analytical Results**
- Attachment E – Laboratory Report & Chain-of-Custody Documentation**
- Attachment F – C-141**





ATTACHMENT A

Figures



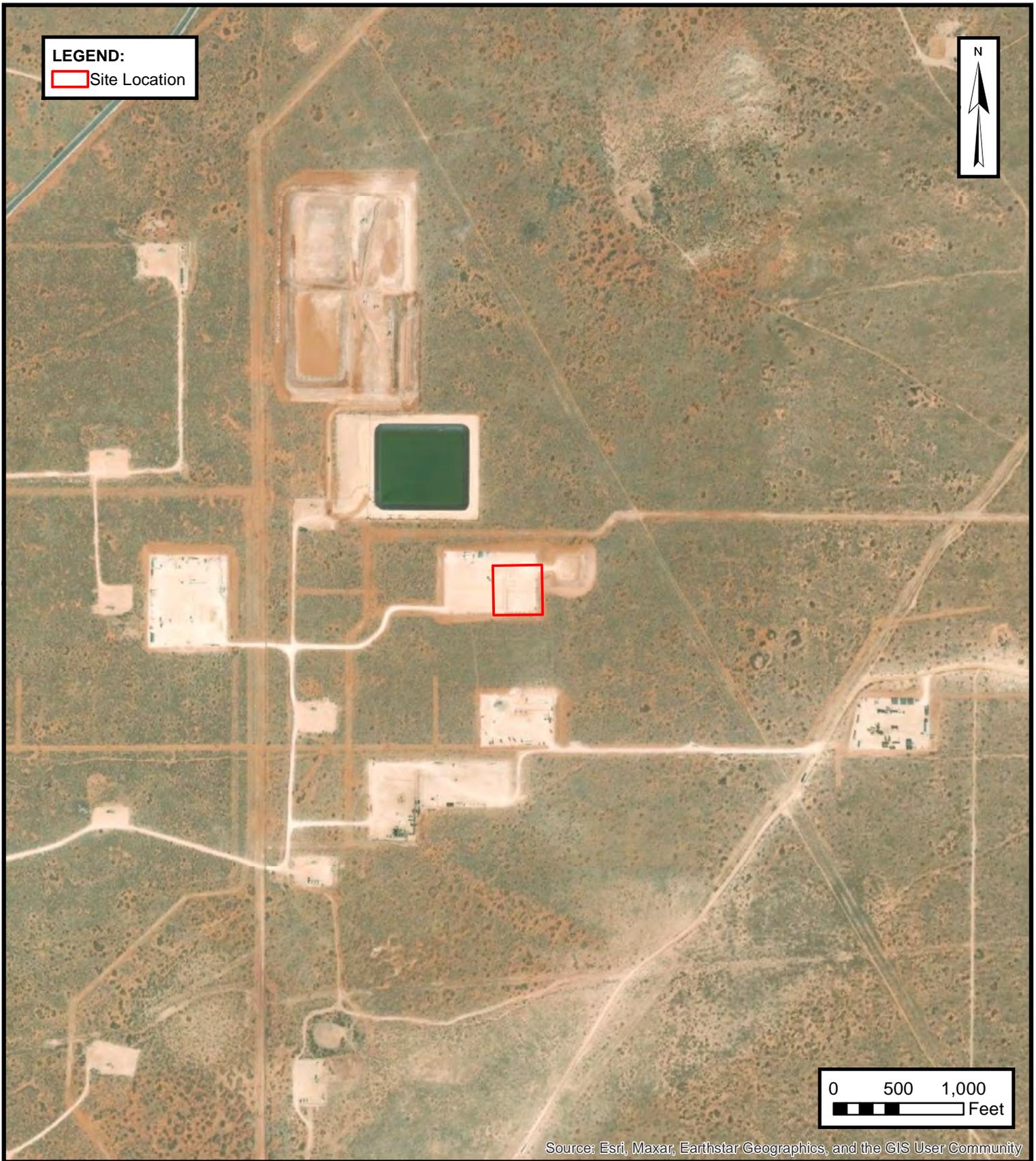
Copyright:© 2013 National Geographic Society, i-cubed

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

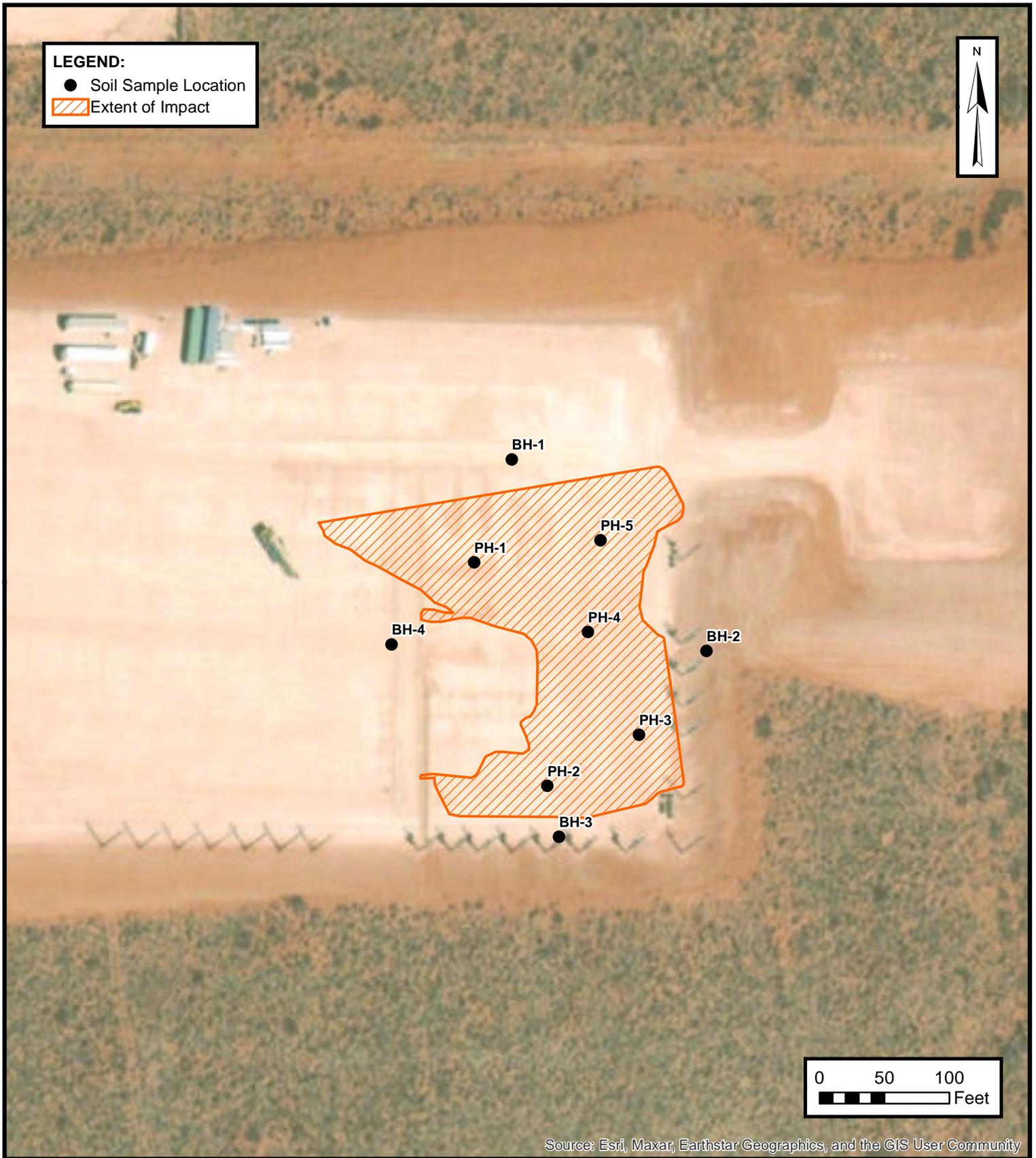
FIGURE
1



ENSOLUM
Environmental, Engineering and
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 SOIL SAMPLE LOCATIONS

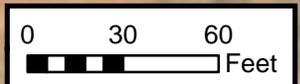
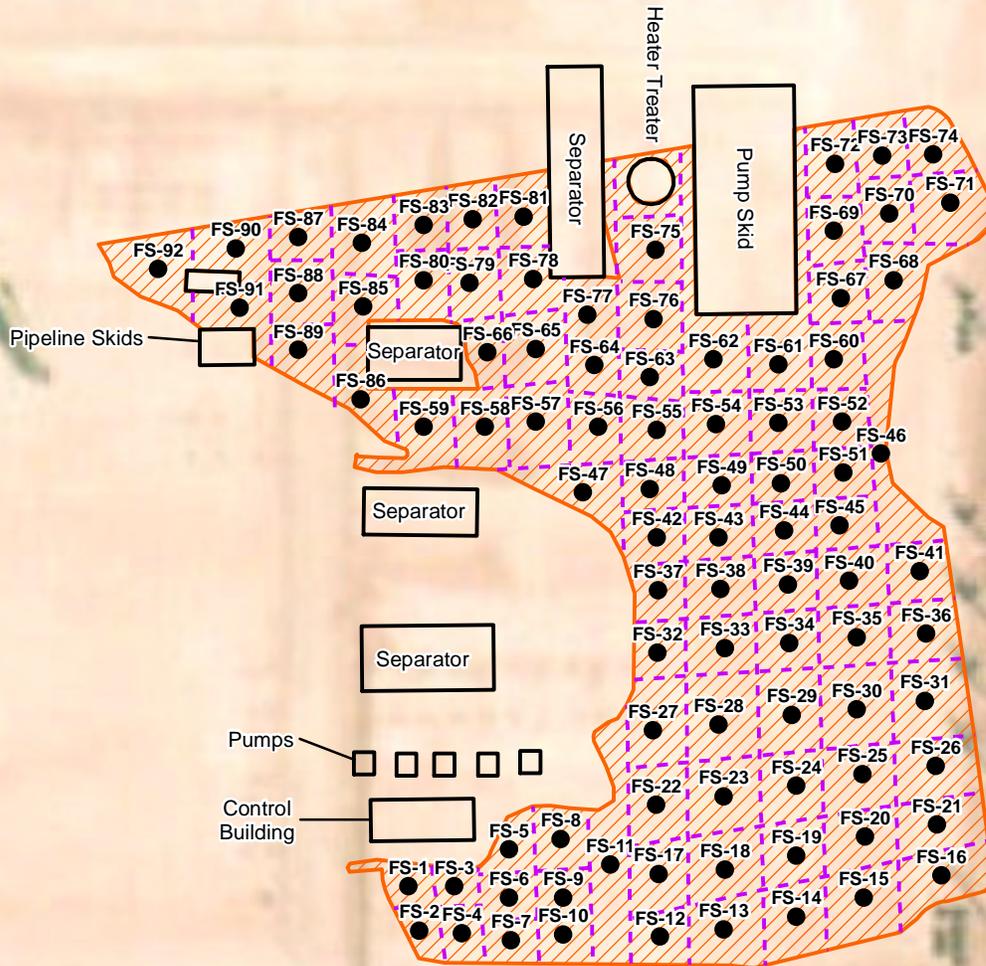
OXY USA INC.
LOST TANK 18 CPF
Lea County, New Mexico
32.387778° N, 103.718333° W

PROJECT NUMBER: 03B1417063

FIGURE
3

LEGEND:

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



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

SITE MAP - COMPOSITE FLOOR SOIL SAMPLE LOCATIONS

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

PROJECT NUMBER: 03B1417063

FIGURE
3





ATTACHMENT B

Supporting Documentation

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
[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 27th 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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EMNRD - Oil Conservation Division
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(505)469-2821 | 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 30th 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  

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Ensolum, LLC
8330 LBJ Freeway, Ste. 830
Dallas, TX 75243

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Wednesday, December 21, 2022 5:32 PM
To: Beaux Jennings <bjennings@ensolum.com>
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)

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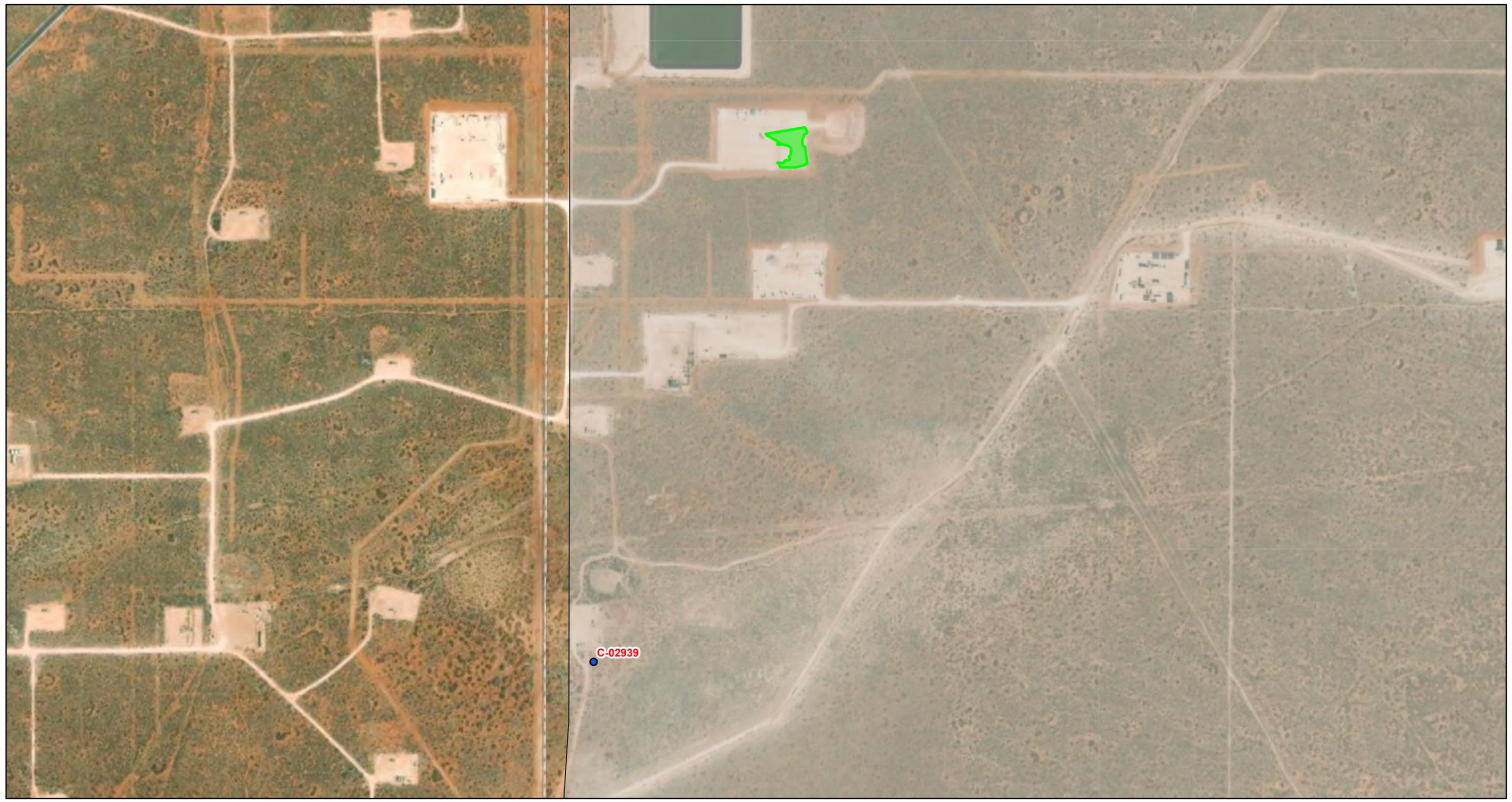
Thank you,

 **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

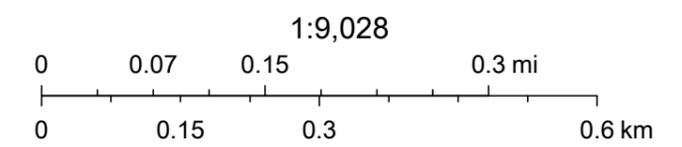
Dallas, TX 75243

OSE POD Locations Map



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

- AREA_FF00FF00
- OSE District Boundary
- SiteBoundaries
- Pending
- Closure Area
- 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

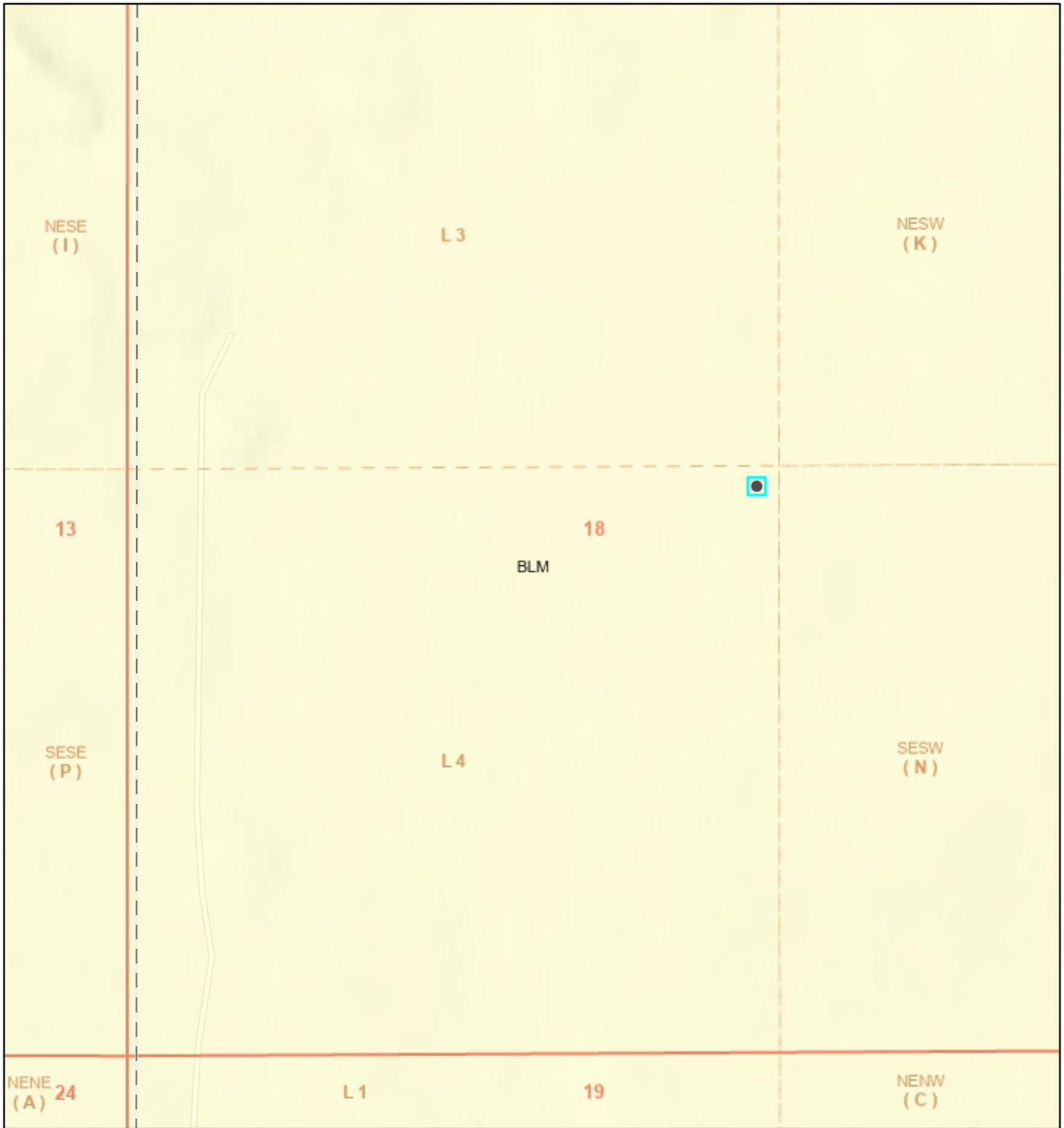
Quad _____ FWL _____ FSL

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

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

T 1190

Active Mines in New Mexico

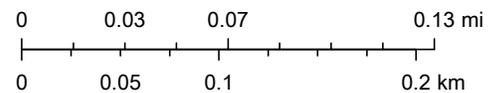


2/3/2023, 2:21:00 PM

1:4,514

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 FIRMMette



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.

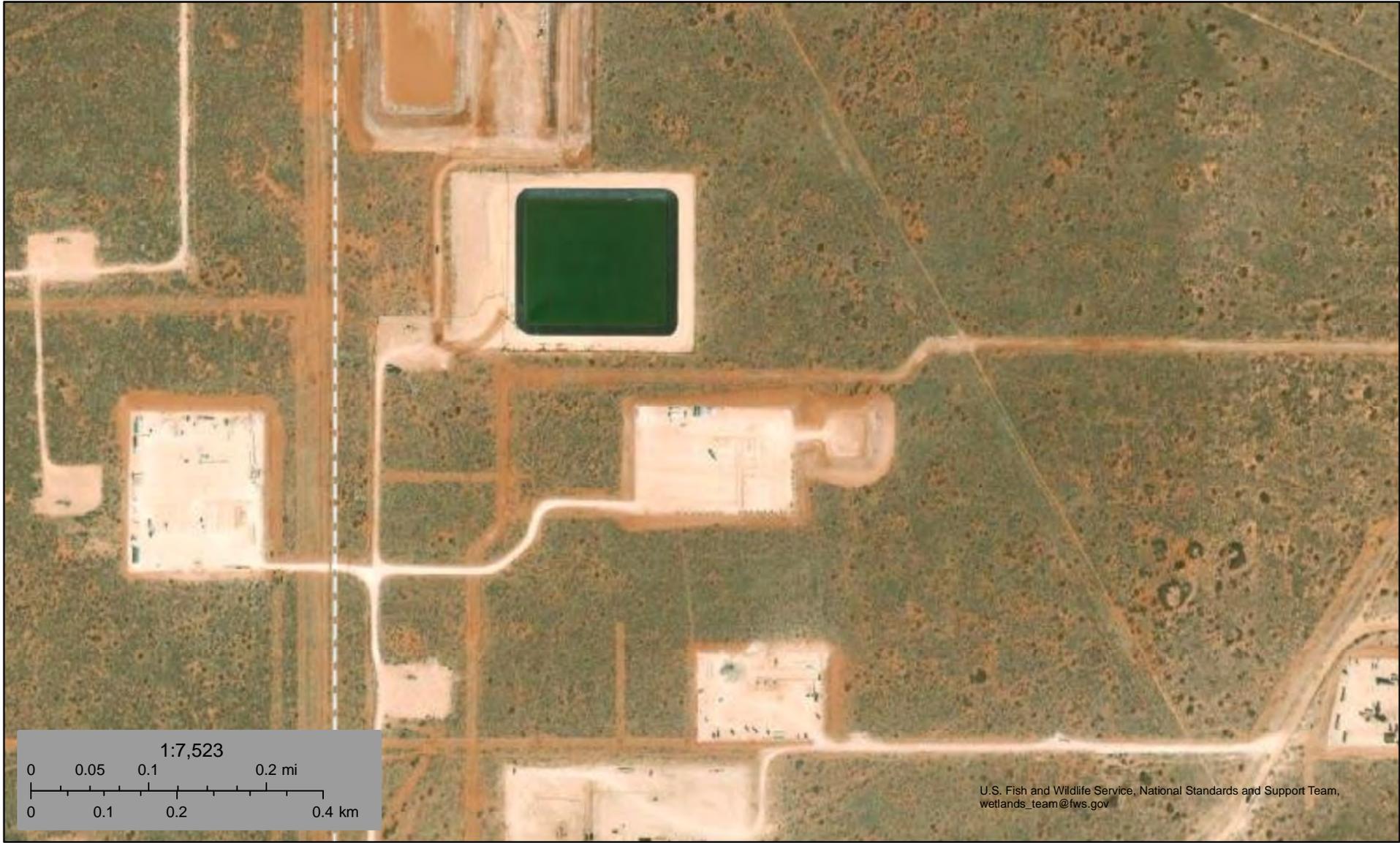
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

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.



Wetlands Mapper



February 3, 2023

Wetlands

-  Estuarine and Marine Deepwater
-  Freshwater Emergent Wetland
-  Lake
-  Estuarine and Marine Wetland
-  Freshwater Forested/Shrub Wetland
-  Other
-  Freshwater Pond
-  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.

Lost Tank 18 CPF

Write a description for your map.

Legend

-  32.387778, -103.718333
-  High
-  Low
-  Medium

 32.387778, -103.718333





ATTACHMENT C

Photographic Documentation



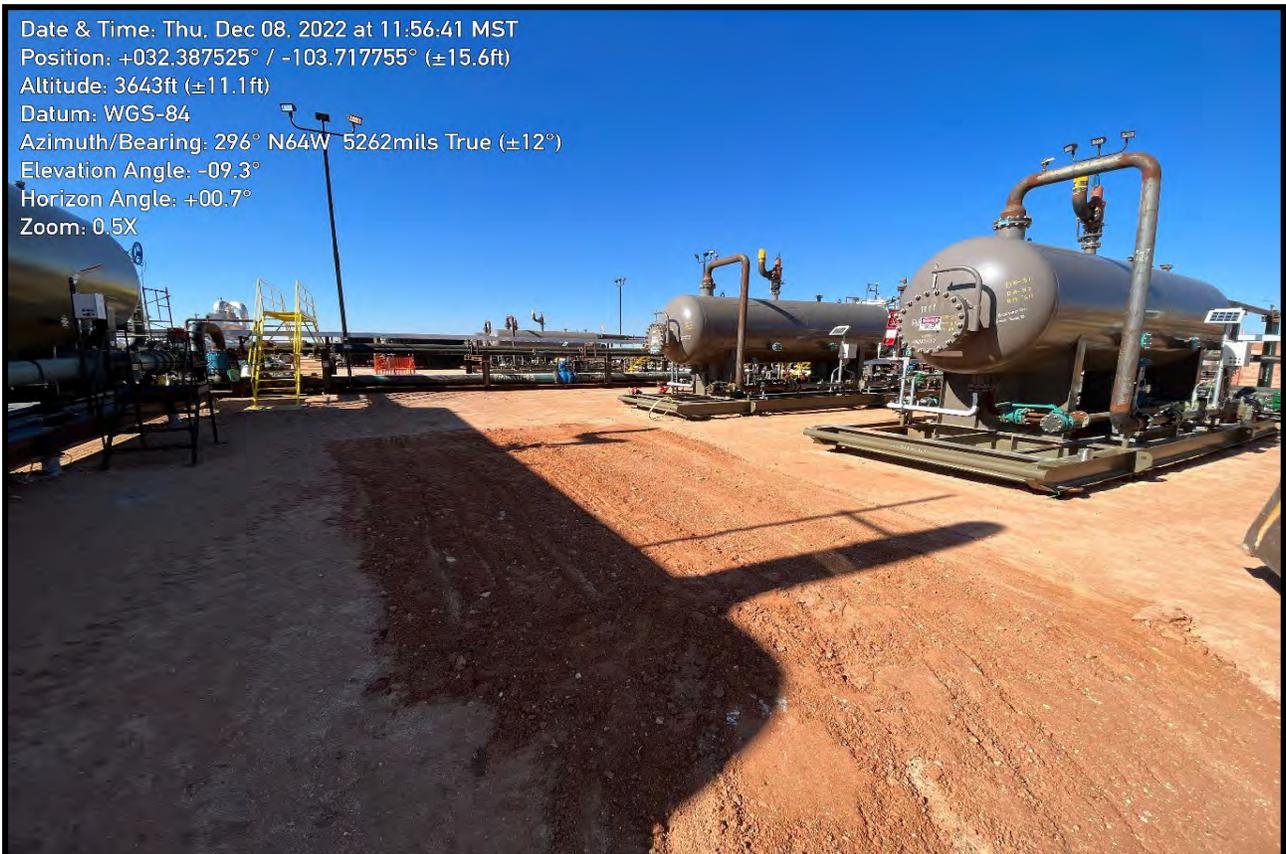
View of impact area during initial investigation activities, facing north.



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.



ATTACHMENT D

Table 1 - Soil Sample Analytical Results



**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
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	3,280
FS-48	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	162		23.8	186	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)
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-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	
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	
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	
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	308	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	
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	
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	123	31,600	
FS-82	1/3/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	56.8	13.8	70.6	21,200	
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	204	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	
Pothole Sample Analytical Results												
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	
Background Sample Analytical Results												
BH-1	12/8/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<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	32.0	
BH-3	12/8/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<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	<16.0	

Concentrations in bold and yellow exceed the New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (> 100 feet)

bgs: below ground surface

mg/kg: milligrams per kilogram

NE: Not Established

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics

TPH: Total Petroleum Hydrocarbon



ATTACHMENT E

Laboratory Report & Chain-of-Custody Documentation



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

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.

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

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

Celey D. Keene, 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

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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 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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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 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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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 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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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 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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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
Chloride	48.0	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 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	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 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
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	166	83.1	200	4.63	
DRO >C10-C28*	10.7	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, SM4500CI-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
 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 - 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, SM4500Cl-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



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 - 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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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 - 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	
Chloride	816	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
 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 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
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	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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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 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, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	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*	210	10.0	12/09/2022	ND	155	77.3	200	13.8	
EXT DRO >C28-C36	36.5	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	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 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
Chloride	144	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
Chloride	96.0	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 87.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.2 % 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: 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



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 - 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
Chloride	64.0	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 84.4 % 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, 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	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



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 - 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

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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: 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



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: 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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Celey D. Keene, Lab Director/Quality Manager



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

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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. 1 of 3

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC	P.O. #:
Project Manager: Beaux Jennings	Company: Oxy USA, Inc.
Address: 601 N. Marland St. STE 400	Attn: Wade Dittich
City: Midland	Address:
Phone #: 210-219-8858	City:
Fax #: 210-219-8858	State:
Project #: 0381417063	Project Owner:
Project Name: Lost Tank 14 CPF	State:
Project Location: Lea County	City:
Sample Name: Samantha Mackenzie	State:
FOR LAB USE ONLY	Project #: 575-390-2828
	Phone #:
	Fax #:

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	ANALYSIS
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:			
H225799	PH-1	1	C	1	X							12/8/22	1056	BTEX
	PH-1	2	C	1	X							12/8/22	1056	TPH
	PH-1	3	C	1	X							12/8/22	1050	Chlorides
	PH-1	4	C	1	X							12/8/22	1050	
	PH-2	1	C	1	X							12/8/22	1110	
	PH-2	2	C	1	X							12/8/22	1110	
	PH-2	3	C	1	X							12/8/22	1110	
	PH-2	4	C	1	X							12/8/22	1170	
	PH-3	1	C	1	X							12/8/22	1120	
	PH-3	2	C	1	X							12/8/22	1120	

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Relinquished By: [Signature]	Date: 1/8/22	Received By: [Signature]	Date: 1/8/22
Relinquished By: [Signature]	Date: 1/8/22	Received By: [Signature]	Date: 1/8/22
Turnaround Time: Standard	Thermometer ID #113	Bacteria (only) Sample Condition	Corrected Temp. °C
Standard	Corrected Temp. °C: 0.2	Cool Intact	Corrected Temp. °C
Standard	Corrected Temp. °C: 0.2	Cool Intact	Corrected Temp. °C
Standard	Corrected Temp. °C: 0.2	Cool Intact	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

Pg. 2063

ANALYSIS REQUEST

BILL TO

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
Phone #: 210-219-8858	Address:
Fax #:	City:
Project #: 0331417063	State:
Project Name: lost tank 18 CPF	Zip:
Project Location: Lea County	Phone #: 575-390-2828
Sampler Name: Samantha Matkovic	Fax #:

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:			
HL257991	PH-3	3	C	1	X							12/8/22	1120	BTEX
	PH-3	4	C	1	X							12/8/22	1120	TPH
	PH-3	1	C	1	X							12/8/22	1130	Chlorides
	PH-4	2	C	1	X							12/8/22	1130	
	PH-4	3	C	1	X							12/8/22	1130	
	PH-4	4	C	1	X							12/8/22	1130	
	PH-5	1	C	1	X							12/8/22	1145	
	PH-5	2	C	1	X							12/8/22	1145	
	PH-5	3	C	1	X							12/8/22	1145	
	PH-5	4	C	1	X							12/8/22	1145	

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

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

Observed Temp. °C: 0.8 **Sample Condition:** Cool Intact Yes No

Corrected Temp. °C: 0.2 **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 **Corrected Temp. °C:**

REMARKS: B.jennings@ensolum.com

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



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

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.

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:	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, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2240	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	
DRO >C10-C28*	15.0	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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* = 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	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
 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 - 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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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 - 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
Chloride	11300	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*	11.8	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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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 - 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, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5120	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, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12800	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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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 - 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
Chloride	13600	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*	33.0	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 87.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.9 % 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 - 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
Chloride	1760	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*	35.5	10.0	01/04/2023	ND	223	112	200	4.93	
EXT DRO >C28-C36	10.3	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	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 - 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
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*	95.4	10.0	01/04/2023	ND	223	112	200	4.93	
EXT DRO >C28-C36	19.1	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



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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 - 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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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 - 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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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 - 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, SM4500CI-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	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 - 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, SM4500CI-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
 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 - 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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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 - 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
Chloride	15600	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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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 - 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
Chloride	16800	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*	50.3	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	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 - 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
Chloride	14000	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*	19.0	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 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
Chloride	15400	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*	46.1	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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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 - 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
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*	17.0	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 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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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 - 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
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	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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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 - 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
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	212	106	200	1.26	
DRO >C10-C28*	16.7	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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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
Chloride	17800	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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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, SM4500Cl-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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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 - 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	
Chloride	1250	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*	13.5	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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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 - 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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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 - 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, SM4500CI-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
 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 - 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
Chloride	14800	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



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 - 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
Chloride	8400	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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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 - 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
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*	32.1	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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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 - 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
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	01/05/2023	ND	200	99.9	200	1.67	
DRO >C10-C28*	12.7	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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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
Chloride	9600	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*	20.3	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



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 - 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
Chloride	10200	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*	17.1	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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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 - 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
Chloride	224	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*	17.3	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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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 - 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
Chloride	8800	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*	162	10.0	01/05/2023	ND	196	97.9	200	3.99	
EXT DRO >C28-C36	23.8	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
Chloride	7730	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
Chloride	5330	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	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 - 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, SM4500CI-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	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 - 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
Chloride	4130	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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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 - 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, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7600	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*	20.6	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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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
Chloride	7280	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*	24.3	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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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, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14600	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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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, SM4500Cl-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	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 - 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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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 - 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, SM4500CI-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



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 - 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
Chloride	8600	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*	14.1	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
Chloride	8200	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*	23.7	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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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
Chloride	15000	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*	43.6	10.0	01/05/2023	ND	200	99.9	200	10.8	
EXT DRO >C28-C36	12.5	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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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, SM4500CI-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
Chloride	20800	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	
DRO >C10-C28*	34.0	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 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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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 - 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, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	18000	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*	54.0	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 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
 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 - 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
Chloride	6800	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*	10.4	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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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
 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 - 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, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5040	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*	88.5	10.0	01/05/2023	ND	198	99.2	200	2.88	
EXT DRO >C28-C36	20.5	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	
Chloride	3800	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*	60.0	10.0	01/05/2023	ND	198	99.2	200	2.88		
EXT DRO >C28-C36	11.5	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
Chloride	2000	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*	13.0	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 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
 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 - 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, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7330	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*	246	10.0	01/05/2023	ND	198	99.2	200	2.88		
EXT DRO >C28-C36	61.7	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	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 - 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
Chloride	15400	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*	54.0	10.0	01/05/2023	ND	198	99.2	200	2.88	
EXT DRO >C28-C36	12.4	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
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	187	93.6	200	1.89	
DRO >C10-C28*	13.0	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 54.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 59.5 % 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	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
Chloride	24000	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*	39.1	10.0	01/05/2023	ND	198	99.2	200	2.88	
EXT DRO >C28-C36	10.2	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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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 - 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
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	187	93.6	200	1.89	
DRO >C10-C28*	77.3	10.0	01/05/2023	ND	198	99.2	200	2.88	
EXT DRO >C28-C36	17.4	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	
Chloride	3680	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*	28.1	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	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 - 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, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	31600	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		
DRO >C10-C28*	97.0	10.0	01/06/2023	ND	198	99.2	200	2.88		
EXT DRO >C28-C36	25.9	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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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, 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	01/06/2023	ND	187	93.6	200	1.89	
DRO >C10-C28*	56.8	10.0	01/06/2023	ND	198	99.2	200	2.88	
EXT DRO >C28-C36	13.8	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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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 - 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, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12600	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*	160	10.0	01/05/2023	ND	198	99.2	200	2.88	
EXT DRO >C28-C36	55.0	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, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8400	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*	163	10.0	01/05/2023	ND	198	99.2	200	2.88	
EXT DRO >C28-C36	40.5	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	
Chloride	5840	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*	12.3	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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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 - 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	
Chloride	1090	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		
DRO >C10-C28*	15.3	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	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 - 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	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 - 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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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
Chloride	32.0	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*	20.0	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 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 #:

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			X					1-3-23	1312	TPH 805 M
	F5-12	0-25	C	1			X					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] 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 Checked By: [Signature]

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



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	ANALYSIS REQUEST
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
H230020	21	0 - .25	C	1			X				1-3-23	1324	TPH 8015M
	22	0 - .25	C	1			X				1-3-23	1325	BTEX 8021b
	23	0 - .25	C	1			X				1-3-23	1326	Chlorides 4500
	24	0 - .25	C	1			X				1-3-23	1327	
	25	0 - .25	C	1			X				1-3-23	1329	
	26	0 - .25	C	1			X				1-3-23	1330	
	27	0 - .25	C	1			X				1-3-23	1331	
	28	0 - .25	C	1			X				1-3-23	1332	
	29	0 - .25	C	1			X				1-3-23	1333	
	30	0 - .25	C	1			X				1-3-23	1335	

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising from this contract or here shall be limited to the amount paid by the client for the analysis. 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 hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated causes or otherwise.

Relinquished By: [Signature]
 Date: 1-3-23
 Received By: [Signature]
 Date: 1-3-23
 Turnaround Time: Standard Rush
 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 No
 Checked By: (Initials) [Signature]
 Turnaround Time: _____
 Standard Rush
 Bacteria (only) Sample Condition: Cool Intact Yes No No
 Corrected Temp. °C: _____

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

10510

Company Name: Ensolum, LLC Project Manager: Beaux Jennings		P.O. #: Company: Oxy USA Inc. Attn: Wade Dittich	
Address: 601 N Marlenfeld Street, Suite 400 City: Midland State: TX Zip: 79701		Address: City: State: Zip:	
Phone #: 210-219-8858 Fax #:		Project #: 838412063 Project Owner: Oxy	
Project Name: 657 Tank 18 Project Location: Eddy Co Perm		City: State: Zip:	
Sampler Name: Steve Diller <small>FOR LAB USE ONLY</small>		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																
31	F5-31	0-1.25	C	1	X								1-3-23	1336	X	TPH 8015 m
32	F5-32	0-1.25	C	1	X								1-3-23	1352	X	BTEX 80215
33	F5-33	0-1.25	C	1	X								1-3-23	1358	X	Chlorides 4500
34	F5-34	0-1.25	C	1	X								1-3-23	1339	X	
35	F5-35	0-1.25	C	1	X								1-3-23	1341	X	
36	F5-36	0-1.25	C	1	X								1-3-23	1342	X	
37	F5-37	0-1.25	C	1	X								1-3-23	1343	X	
38	F5-38	0-1.25	C	1	X								1-3-23	1344	X	
39	F5-39	0-1.25	C	1	X								1-3-23	1345	X	
40	F5-40	0-1.25	C	1	X								1-3-23	1346	X	

PLEASE NOTE: Labity and client's exclusive remedy for any claim arising under this contract or tort, shall be limited to the amount paid by the client for the services. 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 services. 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 hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: [Signature]	Date: 1-3-23 Time: 10:20	Received By: [Signature]	Date: 1-3-23 Time:
REMARKS: All Results are emailed. Please provide Email address:			

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Ozone Temp. °C: 16.1 Corrected Temp. °C: 15.5	Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: (Initials)	Turnaround Time: Thermometer ID #113 Corrosion Factor: 0.5°C	Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	Bacteria (only) <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	Sample Condition Observed Temp. °C Corrected Temp. °C
---	--	---	---------------------------	--	---	---	--

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



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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 Dittich

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

Project #: 0381912063 Project Owner: OXY City:

Project Name: East Tank 18 State: Zip:

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

Sampler Name: Eddy County NM 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 :			
H230025	FS-41	0-.25	C	1	X						1-3-23	1347	TPH 8015M
	FS-42	0-.25	C	1	X						1-3-23	1348	BTF 80216
	FS-43	0-.25	C	1	X						1-3-23	1349	Chlorides 4500
	FS-44	0-.25	C	1	X						1-3-23	1350	
	FS-45	0-.25	C	1	X						1-3-23	1352	
	FS-46	0-.25	C	1	X						1-3-23	1353	
	FS-47	0-.25	C	1	X						1-3-23	1354	
	FS-48	0-.25	C	1	X						1-3-23	1355	
	FS-49	0-.25	C	1	X						1-3-23	1356	
	FS-50	0-.25	C	1	X						1-3-23	1359	

PLEASE NOTE: Labels and Damages. Customer's labels and client's exclusive property for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. 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 hereunder by Cardinal. Signatures of weather such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: [Signature] Date: 1-3-23 Time: 1620
 Received By: [Signature] Date: 1-3-23 Time: 1620

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

Observed Temp. °C: 16.1 Sample Condition: Cool Intact Yes No
 Corrected Temp. °C: 15.5 Yes No
 CHECKED BY: [Signature] (Initials) Turnaround Time: Standard Rush
 Bacteria (only) Sample Condition: Cool Intact Yes No
 Corrected Temp. °C: 15.5 Yes 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: OKY
 Project Name: East Tank 18
 Project Location: Eddy Co. NM
 Sampler Name: Shawn Diller
 FOR LAB USE ONLY

BILL TO P.O. #:
 Company: Oxy USA Inc.
 Attn: Wade Dittrich
 Address:
 City: State: Zip:
 Phone #: 575-390-2828
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
 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 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) Cool Intact Yes No
 Corrosion Factor: -0.5°C Yes No
 Corrected Temp. °C:
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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. #: Company: Oxy USA Inc.
 Attn: Wade Ditrach
 Address: City: State: Zip: Phone #: 575-390-2828
 Fax #: 575-390-2828

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 8015M	BTEX 80216
H230020	61	FS-61	C	1								1-3-23	1411	X	X	X	
	62	FS-62	C	1								1-3-23	1412	X	X	X	
	63	FS-63	C	1								1-3-23	1413	X	X	X	
	64	FS-64	C	1								1-3-23	1414	X	X	X	
	65	FS-65	C	1								1-3-23	1416	X	X	X	
	66	FS-66	C	1								1-3-23	1419	X	X	X	
	67	FS-67	C	1								1-3-23	1414	X	X	X	
	68	FS-68	C	1								1-3-23	1419	X	X	X	
	69	FS-69	C	1								1-3-23	1420	X	X	X	
	70	FS-70	C	1								1-3-23	1422	X	X	X	

PLEASE NOTE: Lacey and Damages. Cardholder's liability and Cardholder's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. 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. It is noted that Cardinal is 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 releases or otherwise.

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
 Corrected Temp. °C: 15.5
 Sample Condition: Cool Intact Yes No Yes No
 CHECKED BY: [Signature] (Initials)
 Turnaround Time: Standard Rush
 Bacteria (only) Sample Condition: Cool Intact Yes No Yes No
 Corrected Temp. °C: [Blank]



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

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 #:

Project #: 6381417063 Project Owner:

Project Name: East Tank 18

Project Location: Eddy Co NM

Sampler Name: Shaver Diller

FOR LAB USE ONLY

BILL TO

ANALYSIS REQUEST

P.O. #:

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	TPH 8015M	BTEX 80215	Chlorides 4500
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL					
H230020	FS-71	0-25	C	1	X							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	

PLEASE NOTE: Safety and Damages: Cardinal's liability and client's exclusive remedy for any claim arising from this contract or hereunder shall be limited to the amount paid by the client for the analysis. 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 interruption, 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 hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated causes or otherwise.

Relinquished By: *[Signature]* Date: 1-3-23 Time: 1420

Received By: *[Signature]* Date: 1-3-23 Time: 1420

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: 14.1

Corrected Temp. °C: 5.5

Sample Condition: Cool Intact Yes No

Checked By: *[Signature]*

Turnaround Time: Standard Rush

Bacteria (only) Sample Condition: Cool Intact Yes No

Thermometer ID #113

Corrected Temp. °C: -0.5°C



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

BILL TO

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 #: 210-219-8858
 Project #: 0381417063 Project Owner:
 Project Name: East Tank 18
 Project Location: Eddy Co NM
 Sampler Name: Shawn Dyer
 P.O. #: Company: Oxy USA Inc.
 Attn: Wade Ditrich
 Address: City: State: Zip: Phone #: 575-390-2828
 Fax #:

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:						ICE / COOL
H230020	81	FS-81	0-1.25	C	1								1-3-23	1435	X	X	X
	82	FS-82	0-1.25	C	1								1-3-23	1436	X	X	X
	83	FS-83	0-1.25	C	1								1-3-23	1437	X	X	X
	84	FS-84	0-1.25	C	1								1-3-23	1438	X	X	X
	85	FS-85	0-1.25	C	1								1-3-23	1440	X	X	X
	86	FS-86	0-1.25	C	1								1-3-23	1441	X	X	X
	87	FS-87	0-1.25	C	1								1-3-23	1442	X	X	X
	88	FS-88	0-1.25	C	1								1-3-23	1443	X	X	X
	89	FS-89	0-1.25	C	1								1-3-23	1444	X	X	X
	90	FS-90	0-1.25	C	1								1-3-23	1446	X	X	X

PLEASE NOTE: Labels and Damages: Cardinal's liability and coverage excludes remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. 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 hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

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) Observed Temp. °C: 16.1
 Sampler - UPS - Bus - Other: Corrected Temp. °C: 15.5
 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]

90110



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

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 #: 210-219-8858
 Project #: 03B1417063 Project Owner:
 Project Name: 1st tank 18 CPF
 Project Location: Eddy County
 Sampler Name: Shane Miller
 P.O. #: Company: Oxy USA Inc.
 Attn: Wade Dittrich
 Address: City: State: Zip:
 Phone #: 575-390-2828 Fax #:

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	91	15-91	C	1		X						1/3/23	1447	X	X	X
	92	15-92	C	1		X						1/3/23	1448	X	X	X

PLEASE NOTE: Liability and Damages. Contractor's liability and client's exclusive remedy for any claim arising under this contract or tort shall be limited to the amount paid by the client for the service. 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 interruption, 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 hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated causes of negligence.

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) Observed Temp.: 16.1 Sample Condition Cool Intact Yes No
 Corrected Temp.: 15.5
 CHECKED BY: (Initials) [Signature]
 Turnaround Time: Standard Rush
 Thermometer ID #113 Bacteria (only) Cool Intact Yes No
 Correction Factor: -0.5°C Corrected Temp.: C

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



ATTACHMENT F

C-141

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 checked="" 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.

State of New Mexico
Oil Conservation Division

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 OCD.enviro@emnrd.nm.gov and BLM_NM_CFO_Spill@blm.gov 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:  Date: <u>2-3-23</u> email: <u>wade_dittrich@oxy.com</u> Telephone: <u>575-390-2828</u>
<u>OCD Only</u>
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?	>100 (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 not 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 plan 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

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Printed Name: Wade Dittrich

Title: Environmental Specialist

Signature: 

Date: 2-2-23

email: wade_dittrich@oxy.com

Telephone: 575-390-2828

OCD Only

Received by: Jocelyn Harimon

Date: 02/03/2023

Incident ID	nAPP2231438880
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Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

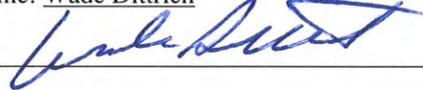
Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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Printed Name: Wade Dittrich

Title: Environmental Specialist

Signature: 

Date: 2-3-23

email: wade_dittrich@oxy.com

Telephone: 575-390-2828

OCD Only

02/03/2023

Received by: Jocelyn Harimon

Date: _____

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: 

Date: 02/21/2023

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 182581

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 182581
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Remediation Plan Approved with Conditions. Composite confirmation samples will be collected from the bottom of the excavation from areas representing no more than four hundred (400) square feet, regardless of PID, EC or lithology readings. Lateral samples around each cell (ex FS-81) should be delineated to 600 mg/kg for chlorides to define the edge of the release at 1'. Laboratory analysis for chlorides only is approved.	2/21/2023